FINOLEX INDUSTRIES

Initiating Coverage

September 2017

- GIRISH CHOUDHARY 🖂 girish@sparkcapital.in 🛈 +91 44 4344 0021
- GAURAV NAGORI ⊠ gaurav@sparkcapital.in ① +91 44 4344 0072



FINOLEX INDUSTRIES

Leading PVC Pipes player with a Transformed business model at compelling valuations

CMP Rs. 610 Target Price Rs. 730

Rating **BUY**



INITIATING COVERAGE

We initiate coverage on Finolex Industries (FIL) with a BUY rating. FIL is a leading player in the PVC pipes market in India with a market share of 13-14%. Finolex brand is a market leader in the Agri PVC pipes market and going ahead the focus is to improve its positioning in the housing/plumbing pipes segment with recent tie-up with Lubrizol (a leading CPVC compound manufacturer). We like FIL's integrated business model wherein it manufactures its own resin for production of its PVC pipes. The other large players in the PVC pipes market buy PVC resin from external sources. Integrated business model aids in higher margins and steady supply of raw material. Importantly, FIL commissioned the PVC resin plant in 1994 and at current high PVC:EDC spread, the plant is making pre-tax RoCE of 65%. FIL transformed its business model over the years in favor of value added PVC pipes from commoditized PVC resin.

In our view, the market has not yet fully priced in this superior execution of business transformation. The EBITDA profile is now more skewed towards valued added PVC pipes business (~70%) versus PVC resin business (23%). FIL stock still trades at a significant discount to its peers Astral (50% discount) and Supreme Industries (35% discount). This despite its market leading presence in PVC pipes segment, high margins profile, superior or on par cash flow/balance sheet/return ratio profile (refer slide no 28). We attribute 20x FY19E EPS, which is still at a 30-50% discount to its peers and attribute Rs.85/share towards its 14% investments in Finolex cables and 46% stake in Finolex Plasson to arrive at a target price of Rs.730/share, implying an upside of ~20% from current levels.

Investment thesis:

- Market leader in Agri pipes: Finolex is an undisputed market leader in Agriculture pipes segment (70% of PVC pipes by volumes) with a very strong brand recall among farmers for its product quality and aggressive pricing compared to competitors. Infact, despite lower margins prevalent in Agri pipes category compared to plumbing PVC/CPVC pipes, FIL has pioneered "Cash and carry" model which is reflected in its negligible receivables days (7 days). Going ahead, we expect Agri pipes segment to grow at 9-10% CAGR led by increased thrust of government on irrigation through PMKSY ("Pradhan mantri krishi Sinchayee yojana"), higher allocation towards irrigation and flood control by State government in FY17-18BE and better monsoon this year.
- Focus on Housing/Plumbing pipes: Currently only 30% of the Pipes segment revenues come from housing PVC segment. To increase its footprints in housing, FIL is adding new capacities aggressively over the next three years at a capex of Rs.3bn which will result in 50% increase in current Pipes capacity. Also, FIL has tied up with Lubrizol in FY17 to manufacture "Flowguard" pipes under its own brand which is a step in right direction as it can easily leverage its brand recall and distribution network (50% of its distributors are in rural areas) for plumbing pipes.
- Improved business quality as plastic pipe segment accounts for bulk of its earnings: We expect capacity addition will increase piping segment revenue and EBITDA contribution from 75% and 70% in FY17 to 94% and 89% by FY21E. This will also improve the business quality by lowering the earnings volatility present in resin business as almost 90% of the resin produced will be used internally for piping segment. Also, contrary to expectation of volatile earnings, backward integration will allow FIL to aggressively price its products to thwart competition and gain market share from unorganised players in plumbing piping segment.
- Strong return ratios and cash flow profile warrants rerating in valuations: FIL has strong return ratio profile of more than 20%. Also, we expect FIL to generate cumulative operating cash flow of Rs.13bn and free cash flow of Rs.10bn (Implied free cash flow yield of 5%) despite capacity addition over next three years. Given FIL has superior profitability due to its backward integration and further focusing on higher margin plumbing segment, strong return metrics, cash flow profile and high dividend yield (~2-3%), we expect the valuations discount of FIL to narrow going ahead compared to its peers.

Key risks: 1) Volatility in PVC- EDC spread 2) Persistent slowdown in plumbing PVC pipes leading lower utilizations at new capacities 3) Slow ramp up in CPVC pipes

	25 September 2017							
Industry		BUILDING MATERIALS						
Key Stock Da	ita							
Bloomberg		FNXP IN						
Shares o/s		124mr						
Market Cap		R	s. 76bn					
52-wk High-L	.ow	Rs. 693-381						
3m ADV		Rs.	200mn					
Index		E	3SE 500					
Latest sharel	nolding	(%)						
Promoters			52.3					
Institutions			13.3					
Public			34.4					
Stock perfor	mance	(%)						
	1m	3m	12m					
FNXP	2%	0%	30%					

1%

Sensex

RESEARCH ANALYSTS

3%

GIRISH CHOUDHARY

girish@sparkcapital.in +91 44 4344 0021

GAURAV NAGORI

gaurav@sparkcapital.in +91 44 4344 0072

12%



Comp sheets

Company —	Revenues (Rs. mn)		EBITDA (Rs. mn)		PAT (Rs. mn)		EPS (Rs.)			FY17-FY19E CAGR					
Company	FY17	FY18E	FY19E	FY17	FY18E	FY19E	FY17	FY18E	FY19E	FY17	FY18E	FY19E	Revenue	EBITDA	EPS
KJC	25,496	27,919	31,977	4,963	5,041	6,084	2,528	2,647	3,486	16	17	22	12%	11%	17%
SOMC	18,110	18,701	21,384	1,915	1,581	2,422	931	751	1,343	22	18	32	9%	12%	20%
CERA	10,066	11,282	13,094	1,716	1,838	2,255	992	1,098	1,397	76	84	107	14%	15%	19%
HSIL	20,750	23,960	28,022	2,893	3,200	3,713	1,030	1,066	1,169	14	15	16	16%	13%	7%
GIL	16,569	17,724	21,259	2,470	2,561	3,154	1,351	1,476	1,557	11	12	13	13%	13%	7%
СРВІ	17,825	20,758	25,324	2,920	3,190	4,243	1,856	1,925	2,627	8	9	12	19%	21%	19%
ASTRAL	18,888	22,123	27,661	2,638	3,104	4,104	1,447	1,801	2,552	12	15	21	21%	25%	33%
SI	44,623	49,217	56,449	7,619	7,672	9,323	4,304	4,119	5,236	34	32	41	12%	11%	10%
FIL	26,024	27,584	30,632	5,630	5,665	6,091	3,522	3,657	4,013	28	29	32	8%	4%	7%

Commony	EB	ITDA margin	s %	F	PBT margins 9	%	F	PAT margins 9	%	RoE%			RoCE%		
Company	FY17	FY18E	FY19E	FY17	FY18E	FY19E	FY17	FY18E	FY19E	FY17	FY18E	FY19E	FY17	FY18E	FY19E
KJC	19.5%	18.1%	19.0%	15.5%	14.6%	16.7%	9.9%	9.5%	10.9%	23.6%	20.7%	23.0%	20.8%	19.7%	22.8%
SOMC	10.6%	8.5%	11.3%	8.2%	6.4%	9.7%	5.1%	4.0%	6.3%	19.6%	13.6%	19.6%	15.2%	11.6%	18.0%
CERA	17.0%	16.3%	17.2%	15.4%	14.8%	16.2%	9.9%	9.7%	10.7%	21.1%	19.4%	20.8%	18.7%	18.1%	20.1%
HSIL	13.9%	13.4%	13.3%	7.2%	5.9%	5.6%	5.0%	4.5%	4.2%	7.3%	7.2%	7.5%	5.7%	6.3%	7.0%
GIL	14.9%	14.5%	14.8%	11.5%	11.7%	9.8%	8.2%	8.3%	7.3%	19.3%	17.2%	15.6%	14.5%	11.9%	12.1%
СРВІ	16.4%	15.4%	16.8%	13.1%	11.6%	13.0%	10.4%	9.3%	10.4%	30.1%	24.3%	26.6%	18.2%	16.0%	19.5%
ASTRAL	14.0%	14.0%	14.8%	10.8%	11.3%	12.8%	7.7%	8.1%	9.2%	18.6%	19.3%	22.4%	16.3%	17.1%	21.0%
SI	17.1%	15.6%	16.5%	13.1%	12.2%	13.2%	9.6%	8.4%	9.3%	28.6%	22.6%	24.5%	21.4%	19.0%	20.8%
FIL	21.6%	20.5%	19.9%	19.9%	19.5%	19.3%	13.5%	13.3%	13.1%	21.0%	19.6%	19.4%	17.4%	15.2%	15.5%

Company	CMP	MCAP		P/E (x)			EV/EBITDA (x)			Price to book (x)	Pating
Company	Rs.	Rs. bn	FY17	FY18E	FY19E	FY17	FY18E	FY19E	FY17	FY18E	FY19E	Rating
KJC	723	114,960	45.6	43.5	33.0	23.5	23.0	18.8	9.8	8.3	7.0	ADD
SOMC	849	35,974	38.7	47.9	26.8	19.6	23.5	15.2	6.9	6.2	5.2	BUY
CERA	3,190	41,487	42.0	37.9	29.8	23.9	22.2	17.8	8.0	6.8	5.7	REDUCE
HSIL	382	27,610	26.7	25.8	23.5	11.9	11.2	9.7	1.9	1.8	1.7	REDUCE
GIL	269	33,017	24.5	22.4	21.3	13.3	12.7	11.2	4.2	3.6	3.1	BUY
CPBI	247	54,910	29.4	28.3	20.8	19.6	19.0	14.1	7.7	6.2	5.0	ADD
ASTRAL	733	87,819	60.9	48.9	34.5	34.1	28.7	21.5	10.4	8.6	7.0	ADD
SI	1,151	146,233	33.9	35.5	27.9	15.1	14.8	12.1	8.6	7.5	6.3	REDUCE
FIL	610	76,250	21.5	20.7	18.9	13.4	13.1	12.1	3.3	3.0	2.8	BUY



Company Background

Corporate Factsheet	
Company Background	 Finolex India(FIL) setup its PVC resin plant in 1994 in Ratnagiri. Further, it forward integrated by setting up rigid PVC (Poly Vinyl Chloride) pipes manufacturing plant in Ratnagiri, Pune and Gujarat. Currently, FIL has total pipes capacity of 290Kt and PVC resin capacity of 272kt. FIL is a market leader in PVC Agri Pipes segment. FIL tied up with Lubrizol to manufacture CPVC pipes under "Flowguard" brand in FY17.
Presence	FIL has Pan India presence with higher sales concentration in West and South followed by North and East
Management depth	 Mr. Prakash P Chhabria. – Chairman Mr. Sanjay S. Math – Managing Director Mr. Anil Wahbi – Chief Financial Officer
Revenue contribution	PVC pipes: 75%, PVC resin: 25%
Distribution network	Pipes: 800+ Distributors, 22,000+ Dealers Across India
Manufacturing Facilities	 Ratnagiri, Maharashtra Urse, Maharashtra Masar, Gujarat
Credit Rating	Long term rating: CRISIL AA/Stable, Short term rating: CRISIL A1+
Corporate Bankers	Bank of India, ICICI Bank, Bank of Baroda, Citibank, Bank of Maharashtra, Corporation bank
Auditors	M/s. P. G. Bhagwat, Chartered Accountants, Pune



Journey over the years

1981

FIL was incorporated. Set up its first rigid PVC (Poly Vinyl Chloride) pipes manufacturing plant in Pune, Maharashtra

1994

Set-up a 1,30,000 MTPA state-of-the-art PVC resin plant in Ratnagiri, Maharashtra in technical collaboration with Uhde GmbH and a process license from Hoechst AG, Germany Commenced manufacture of suspension PVC and emulsion PVC

1999

Commenced
manufacture of PVC
pipes at Ratnagiri to
meet growing
demand
Introduced ASTM
pipes to cater to the
needs of the
plumbing sector

2006

FIL proudly celebrated 25 years of success Expanded PVC resin capacity from 1,30,000 MTPA to 2,60,000 MTPA Extended portfolio by the manufacture of ASTM fittings

2008

Introduced LEADFREE plumbing pipes as per ASTM standard

2012

Set-up a new manufacturing plant at Masar, Gujarat

2015

Set-up warehouses at Delhi and Indore, Madhya Pradesh to cater to the northern and central India markets

Finolex

1985

Pioneered the concept of 'Ringfit' pressure pipes

1996

Became India's first PVC pipes and fittings manufacturer to be awarded the ISO 9001:2000 certification

2002

PVC pipes and PVC resin plants at Ratnagiri were awarded the ISO 14001 certificate for Environment Management Systems

2007

Introduced underground sewerage pipes as per IS: 15328 – 2003

2009

Set-up a 28,000 MTPA stateofthe-art manufacturing unit at Urse, Pune for agriculture pipes and casing pipes

2014

Set-up a warehouse at Cuttack, Odisha to cater to the eastern India market

2016

PVC pipes and fittings manufacturi ng capacity increased to 2,80,000 MTPA

2017

Tie-up with Lubrizol to manufacture and sell Finolex FlowGuard Plus pipes and fittings in India



Geographical Presence and Product Offering: PVC Resin business and PVC/CPVC Pipes

Business segments

PVC PIPES & FITTINGS (75%)

With 3 manufacturing plants having a combined capacity of 290,000 mtpa FIL offers a wide range of PVC pipe & fittings for diverse applications in agriculture and non-agriculture sectors including housing, industrial and construction.

PVC RESIN (25%)

With a capacity of 272,000 mtpa of PVC resin, backward integration gives FIL the unique advantage of a consistent quality and availability of raw material. With the rising internal consumption of PVC resin, FIL's business model is increasingly transforming to be B2C.

POWER PLANT (Captive consumption)

43 MW power plant at Ratnagiri (Maharashtra) is entirely for captive use and provides uninterrupted power to FIL's production facility there.

Source Company, Spark Capital

Products offered by Finolex Industries

Agricultural Pipes & Fittings- 70% of volumes



Agricultural pipes & fittings



Column pipes



Casing pipes



Solvent Cement

Resin

Plumbing & Sanitation Pipes & Fittings: 30% of volumes



ASTM Pipes & Fittings



CPVC Pipes & Fittings

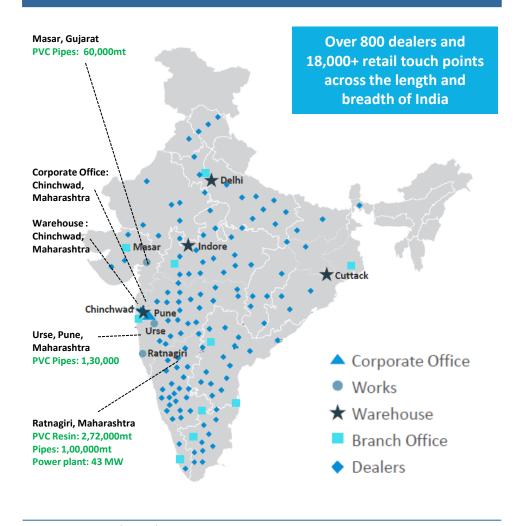


Sewerage Pipes



PVC Resin

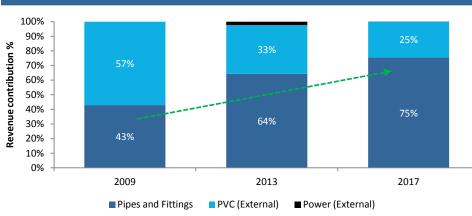
Plant locations and distribution reach





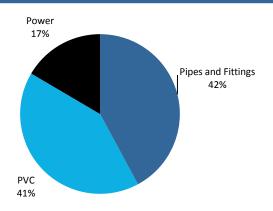
FIL's business transformation – Value added Pipes and Fittings business now contribute 75% of revenues and ~70% of EBITDA





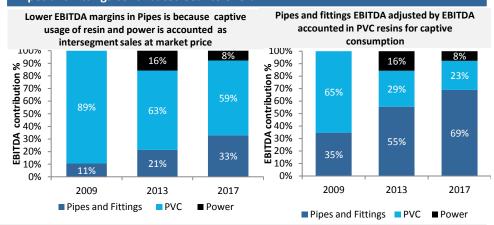
Source Company, Spark Capital

Capital employed FY17 – equally split between the PVC resin and Pipes business



Source Company, Spark Capital

EBITDA (adjusted for margins accounted in resin for captive consumption) from Pipes and fittings contributed 55% to overall EBITDA



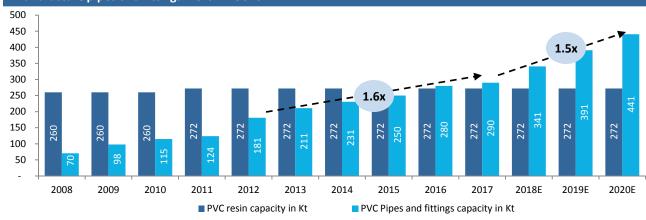
Finolex industries: Resin manufacturer to Pipes company

- FIL has an integrated business model wherein it manufactures its own resin for production of its PVC pipes. Integrated business model aids in higher margins and steady supply of raw material
- Contribution from external PVC resin sales has decreased from 57% in FY09 to 25% in FY17 as Finolex has expanded its Pipes capacity by 4x from 70,000mt in FY08 to 290,000mt in FY17. Over the years, FIL transformed its business model in favor of value added PVC pipes from commoditized PVC resin.
- As FIL reports PVC resin as a separate segment (captive sales transferred at market prices), the reported EBITDA contribution from PVC resin business appears high at ~59% in FY17. However adjusting for captive EBITDA, the external PVC resin EBITDA accounts for only 23% in FY17. In 2009, the external PVC resin used contributed ~65% of total EBITDA, hence FIL has seen major transformation in business model, the exposure is now skewed to the value added PVC Pipes & Fittings business.
- PVC resins is a capital intensive business. Given FIL commissioned the capacity in 1994 (phase 1) and 2006 (phase 2), the capital employed from resin is just 42% of overall capital employed, almost equivalent of PVC pipes segment. Current replacement cost for PVC resin with capacity equivalent to Finolex (2,72,00mt) is about Rs.30-40bn.



Evolution into an Integrated Pipes player: Aggressive addition in Pipes capacity

Finolex pipes capacity now exceeds PVC resin capacity; Current captive resin capacity can be used to manufacture pipes and fittings worth ~290Kt

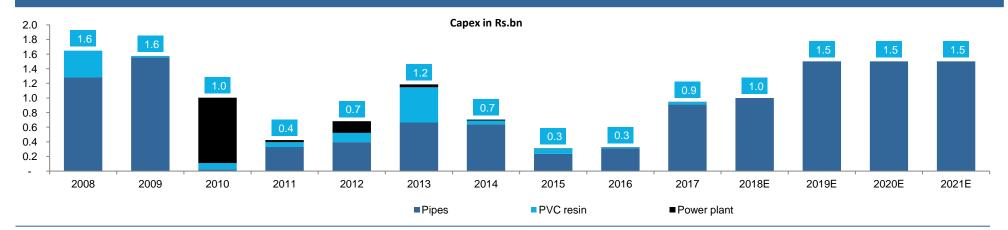


Source Company, Spark Capital

Capex intensity to increase over next three years in adding Pipes and fittings capacities:

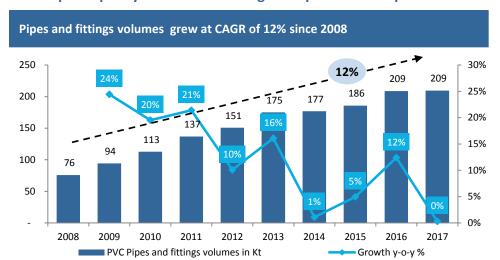
- Finolex expanded its pipes capacity by 60% in last five years. Going forward, Management is guiding for similar capacity increase over the next three years.
- Current Pipes and fittings capacity of 290Kt will grow to 441kt by 2020E with offering in Agri pipes, Plumbing PVC and CPVC pipes. Finolex plans to add 50,000mt capacity in CPVC pipes post its tieup with Lubrizol.
- Current resin capacity of 272Kt can cater to Pipes demand of 290kt. For its Gujarat plant, Finolex buys resin from external source (Reliance Industries) due to freight cost advantage.
- Of the total capex of ~ Rs.2.3bn between FY14-FY17, only Rs. 0.2bn was spent on the PVC resin business.

Majority of the capex incurred in last five years is on PVC pipes and fittings capacity. Finolex aims to add further 150Kt capacity over next three years in Pipes





PVC Pipes capacity addition led to higher captive consumption of resin and lower external sales



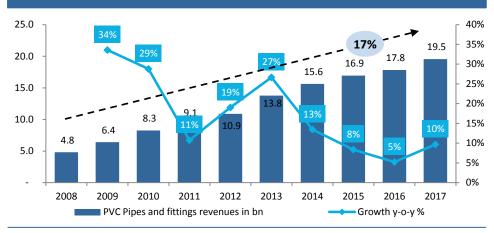
Source Company, Spark Capital

Increasing Pipes capacity increased internal sales of PVC resin



Source Company, Spark Capital

whereas Pipes and fittings revenues grew at CAGR of 17% since 2008



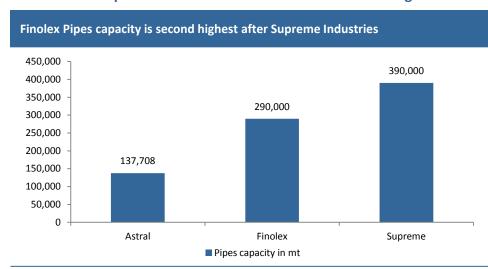
Source Company, Spark Capital

And declining PVC resin external sales





Overview of Pipes business: Finolex is a market leader in Agriculture PVC Pipes

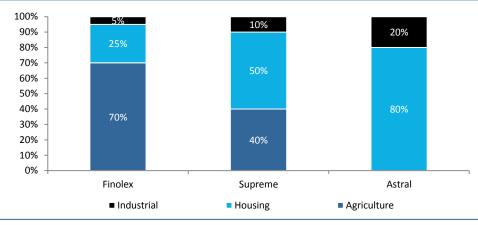


Source Company, Spark Capital

Finolex brand is very strong in West and South								
Plant location	North	West	East	South				
Astral		✓		✓				
Finolex		\checkmark						
Supreme	✓	✓	✓	✓				
Regional Dominance								
Astral	Medium	High	Low	High				
Finolex	Medium	High	Low	High				
Supreme	High	Medium	High	High				

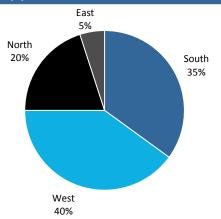
Source Company, Spark Capital

Agriculture pipes are the major driver for Finolex whereas Housing/Plumbing remains the major driver for Supreme and Astral



Source Company, Spark Capital

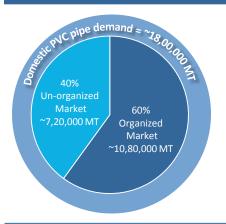
Finolex regional sales contribution: Four Southern states, Maharashtra and Gujarat accounts for 70-75% of overall pipes sales

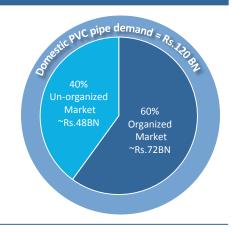




Overview of PVC Pipes Industry; Agri pipes contribute 70% to overall industry volumes

Size of PVC Pipes industry





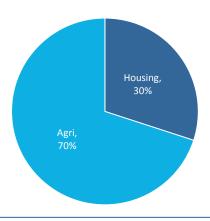
Source: Industry, Spark Capital

Difference between Agri pipes and Plumbing pipes

	Agri pipes	Plumbing pipes
Diameter	Larger (4-8inches)	Smaller(1/2-2 inches)
Key Products	Rigid PVC and Column pipes	uPVC, ASTM, SWR pipes
Fittings proportion	Long pipes with lower fittings	More bends requires higher fittings
Price and Margins	Cheaper and lower margins of 7-10%	Expensive by 10% than Agri and margins of 10-13%
Usage	Canals to fields or Tubewell to fields	Inlet/Outlet to drainage

Source: Industry, Spark Capital

70% of PVC pipes demand by volumes and 60% by value is Agricultural based



Source: Industry, Spark Capital

Driver of Agricultural Pipes demand

Rural income

Higher rural per capita income facilitates buying MIS system and embracing technology

Good monsoon

Good monsoon increases water table; Aids in sourcing water from tubewells and canals

Canal connectivity

Expansion of canal network; Aids during drought times

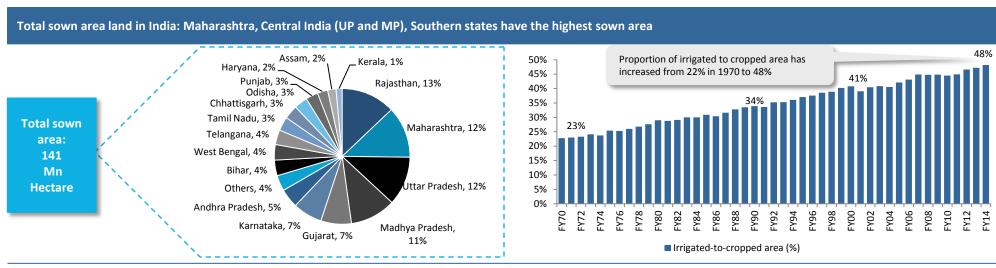
Technology adoption

Cheap, easy to use and availability. E.g. Use of microirrgation to increase yields

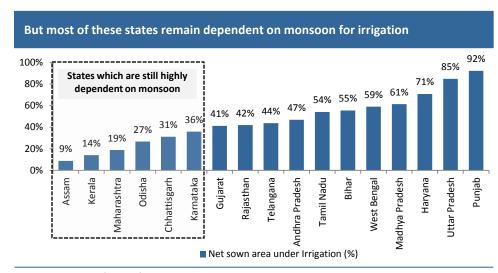
Source: Industry, Spark Capital



Agriculture in India is still majorly dependent on monsoon vagaries; Only 48-50% of sown area is irrigated through sources other than monsoons

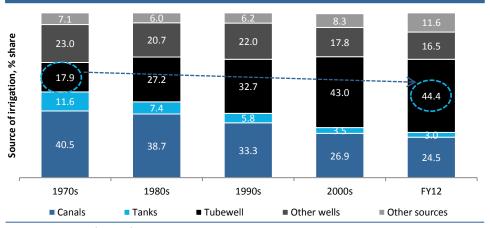


Source: Census, Spark Capital



Source: Census, Spark Capital

Most of the farmers depend on the Tubewells as source of irrigation; Tubewell water levels depends on monsoon



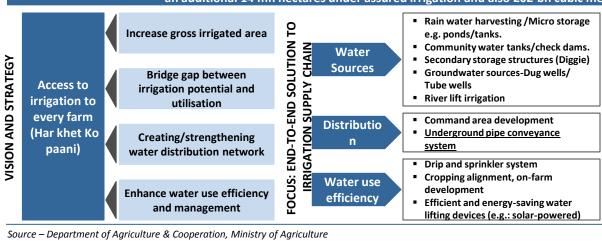
Source: Census, Spark Capital

Finolex Industries | Initiating Coverage | Rating: BUY | TP: 730



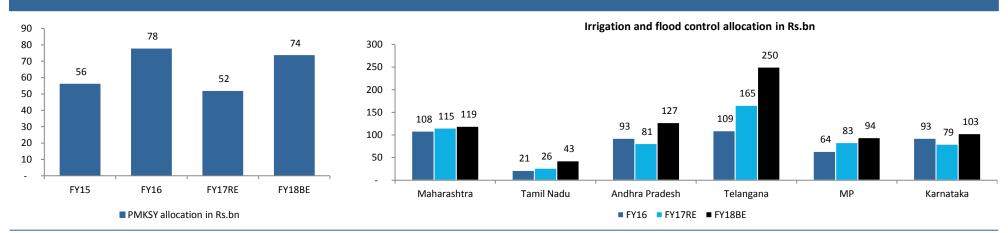
To increase irrigation area and develop other sources for irrigation, Central government has launched Pradhan Mantri Krishi Sinchayee Yoina(PMKSY) which encompasses all past schemes; *Aim to increase 10% increase in irrigated area*

Pradhan Mantri Krishi Sinchayee Yojna (PMKSY) was launched in July,2015 with outlay for the five-year period at Rs.500 bn (10 percent increase in irrigation can bring an additional 14 mn hectares under assured irrigation and also 202 bn cubic meters of ground water potential is still to be tapped)



Fund requirement for comple	tion of 99 pric	ritized project	:s			
Category	No. of	Fund req completion	Irrigation Potential			
	projects	Total	Central	Utilisation (mn Ha)		
Priority-I projects (Completion by 3.2017)	23	134	65	1.5		
Priority-II projects (Completion by 3.2018)	31	129	43	1.3		
Priority-III projects (Completion by 12.2019)	45	513	205	4.9		
Total	99	776	313	7.6		

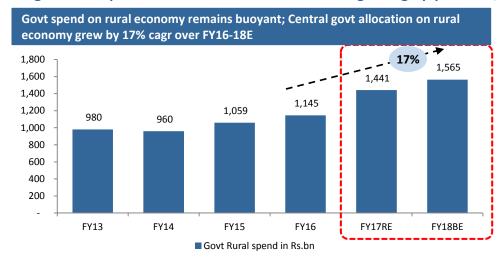
PMKSY allocation has been stagnant; But States allocation in irrigation has increased in FY18BE



Source: Central and States Budget documents, Spark Capital

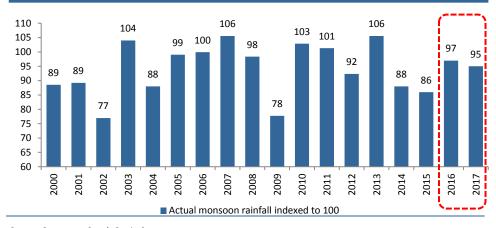


Higher rural spend and better monsoon to aid in higher Agri pipes sales; Expect Agri Pipes demand to grow by 9-10% over next five years



Source Company, Spark Capital

Relatively Better monsoon in Aug 2016-17 compared to drought situation faced in 2014-15



Source Company, Spark Capital

Agri PVC Pipes demand dynamics:

- Agri PVC pipes demand largely depends on availability of river/canals which can be then connected to farmland or from tubewells/other sources to farmland.
- Irrigation through tubewells is the most common but Tubewell farmers in India are also dependent on the vagaries of monsoon as during monsoon deficit, expenses for buying water from tubewell owners shoot up manifold. Most small and marginal farmers do not own pumpsets and tubewells, they buy water from larger farmers.
- Increasing diversion of irrigation water from canals to domestic and industrial purposes resulted into lower irrigated area.
- PMKSY and Interlinking of major rivers in India can increase the availability of water sources and hence the irrigated area.
- Lower is the distance of water sources from farmland, lesser is the cost for farmer to implement any pipe solution to source water.
- Currently Agri pipes buying is done in groups by farmer due to cost involved in sourcing water from distant water resources.
- Most of the Agri pipe players follow strict cash and carry model unlike microirrigation (MIS) industry.





flood control and Central govt ambitious project for

interconnectivity of canals to aid in increase in

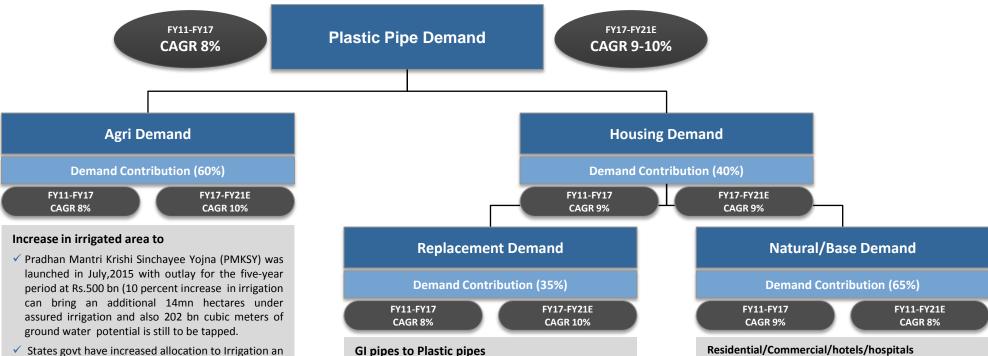
✓ Good monsoon and higher rural per capital income

due to increased focus of government on rural

economy will result in higher Agri pipes demand

irrigation area.

over next five years.



GI pipes to Plastic pipes

- ✓ PVC plumbing segment has seen strong replacement demand in last 10 years. The uPVC ASTM and SWR pipes in the plumbing segment are fast replacing conventionally used G (galvanised iron).
- √ These PVC pipes are affordable (25%-30% cheaper) and durable(average life of almost 20-25 years) as compared to conventional systems, which tend to get corroded over a period of time.
- ✓ West and South India have seen a large part of replacement demand being dealt with, there is still strong replacement potential in North and East India, which could result in strong growth opportunities for PVC plumbing pipe players going forward.

- ✓ Strong growth in the plumbing pipes segment is partly attributed to construction activities in metro and Tier II cities in last 10 years.
- ✓ Growth will continue from rural pockets led by "Housing for all" and affordable housing projects funded by Government.
- ✓ Urban residential sector will continued to see moderate growth over the next 15-18 months due to high unsold inventory and falling new launches. Expect revival post FY18.
- ✓ Buoyant commercial related activities will keep demand robust from this pocked over the next twothree years.



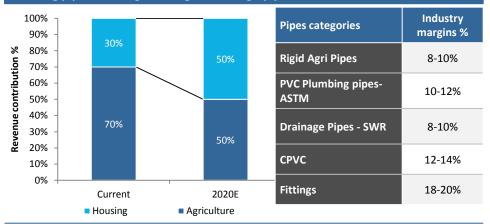
Finolex aims to increase market share in Agri and increase revenue contribution from Housing led by capacity addition

Finolex remains market leader in Agri; Focusing on North and East market to further aid in market share gains

further aid in mar	ket snare gair	15			
Agri Pipe Industry	All India	North	South	East	West
Industry size in Rs.bn	70	15	22	10	23
Key Players	Finolex, Supreme, Jain, Kisan	Supreme, Finolex, Kriti, Captain	Supreme, Finolex, Nandi, Sudhakar	Supreme, Finolex, unorganised	Supreme, Finolex, Jain, Prince, Kisan
Finolex Org Mkt Share	20%	10%	20%	5%	25%

Source Company, Spark Capital

Finolex aims to increase exposure to housing PVC pipes to 50% from 30% now; Housing pipes have higher margins than Agri pipes



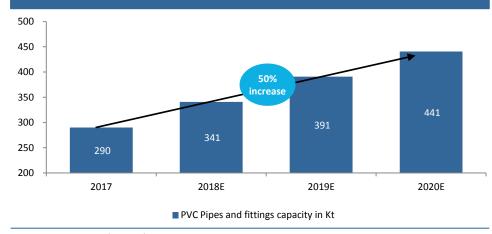
Source Company, Spark Capital

Diversification into new product categories will be a key growth driver

Company name	Market leadership	Increasing exposure
Supreme Industries	PVC plumbing pipe	CPVC
Astral	CPVC Pipes	Agri Pipes
Ashirwad	Column pipes and CPVC	PVC Plumbing (ASTM)
Finolex	Agri Pipes	Column pipes and CPVC

Source Company, Spark Capital

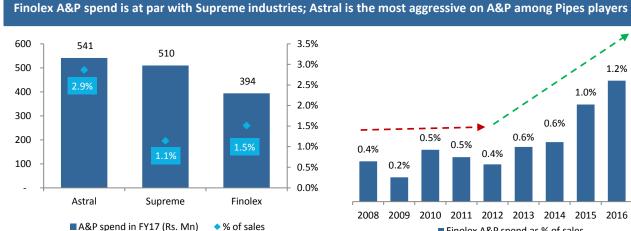
Pipes and fittings capacity to increase by 50% over next three years

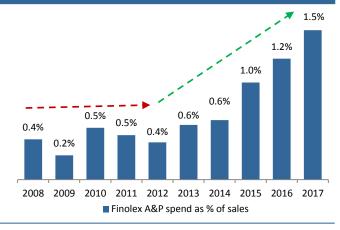




Harnessing existing "Finolex" Brand and Distribution network for its Housing segment PVC pipes plans

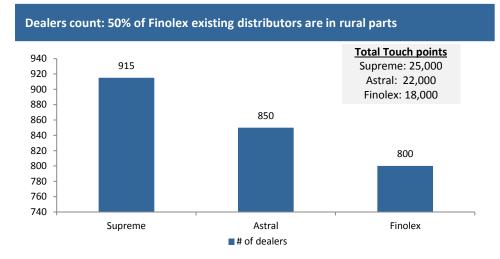
"Finolex" brand has very strong recall in rural Farmers choice for Agri PVC **Superior Quality Competitive pricing** Zero credit **Higher rural penetration** Higher number of SKU's





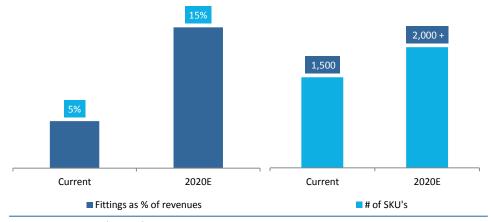
Source Company, Spark Capital

Source Company, Spark Capital



Source Company, Spark Capital

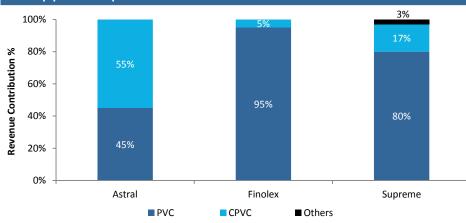
More emphasis on fittings and higher no of SKU's in revenues due to increasing housing exposure





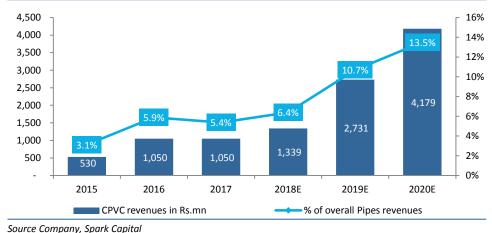
Finolex CPVC plans: Tieup with Lubrizol should augur well in long term; Execution remains key monitorable due to category growth slowdown

Supreme and Finolex are the late entrants in CPVC segment; Astral started into CPVC pipes and expanded in to PVC thereafter

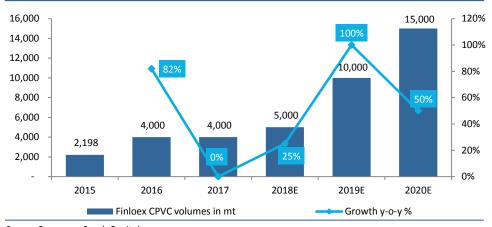


Source Company, Spark Capital

CPVC piping segment to contribute 14% to overall piping revenues by FY20E from 5% now



We assume Finolex CPVC volumes to treble over next three years post tieup with Lubrizol



Source Company, Spark Capital

Tieup with Lubrizol- A step in the right direction to increase contribution to housing pipe category

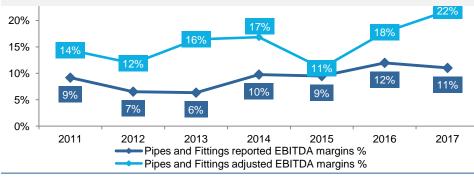
- Finolex tied up with Lubrizol to source CPVC compound in FY17 after Astral called off its partnership with Lubrizol.
- Partnering with Lubrizol is the right step as FIL wants to aggressively increase its footprints in housing segment over next the 3-4 years and "Flowguard" has a reasonable success in CPVC segment in India.
- Though CPVC segment is no longer an exclusive category with high margins as CPVC resin/compound now is easily available due to capacity expansion done by Sekisui, Kaneka and Chinese CPVC players.
- Given Lubrizol has recently commissioned its facility in India and with only two partners (Ashiwad and Finolex) to sell Flowguard, we assume that trade terms for these partners will be favourable to compete with other CPVC pipes players.
- •We will watch out for debtor days for Finolex going foward as CPVC trade terms are typically range between 20-30 days unlike its Agri and housing PVC segment which is cash and carry model for Finolex.
- •Also, given Finolex has relatively lower presence in the metro markets, increase in distributors and higher advertising and promotion spend will be of importance to get traction in CPVC segment.



Finolex inherent strength lies in its backward integrated facility which helps to adapt in various market condition

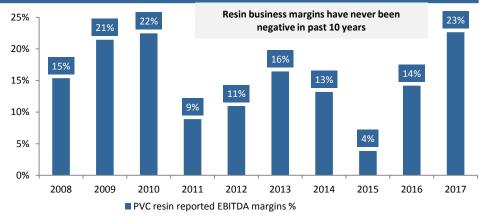
Finolex accounts captive resin consumption as intersegment sales at market price; We adjust pipes margins by accounting for internal captive sales margins in Pipes EBITDA

Accounting captive resin sales at market price masks the inherent competitive advantage which is <u>offering competitive product pricing as per environment and still command</u> <u>superior margins despite being in low margins (Agri pipes) category</u>



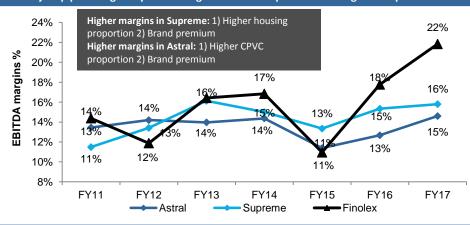
Source Company, Spark Capital

Unless resin business posts negative EBITDA, Finolex margins are much more superior despite Agri category



Source Company, Spark Capital

Finolex accounts captive resin consumption as intersegment sales at market price; We adjust pipes margins by accounting for internal captive sales margins in Pipes EBITDA



Source Company, Spark Capital

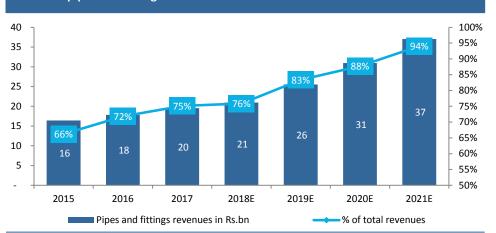
A misunderstood competitive advantage:

- Finolex pipes and fittings segment margins seem lower than other players due to higher exposure to Agri pipes which have the lowest margins .
- Given farmers are very price conscious at the time of buying Agri pipes, players with cheapest priced pipes with quality win.
- Captive PVC resin unit enables Finolex to competitively price its products as per the spreads (PVC-VCM-EDC) prevalent in market and gain the market share.
- Also, Finolex currently accounts captive resin consumption as intersegment sales
 at market price. With increasing pipes and fittings capacity leading to higher
 captive consumption, we adjust Pipes segment EBITDA by adjusting captive sales
 EBITDA to Pipes EBITDA.
- Adjusted EBITDA margins are superior to other pipes players which reflects the advantage a captive resin players operating in low margins business has.
- Given other pipes players don't have captive resin facility, diversification from housing to Agri will be margin dilutive but it is not the case for Finolex.



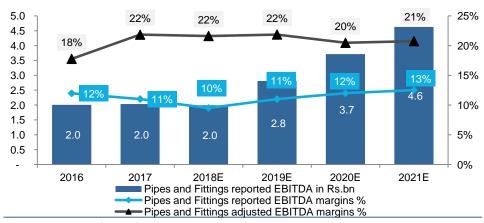
Perception change from a resin company to fully integrated Pipes company: Capacity addition in Pipes to increase captive consumption to 90%





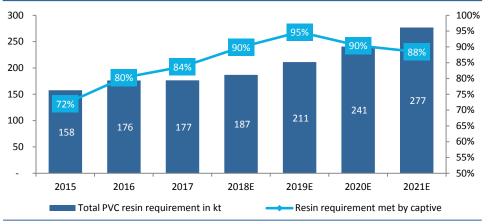
Source Company, Spark Capital

Expect Pipes margins to improve due to higher housing pipes contribution; Margins decline in FY18E as FIL passes on higher spreads benefits to gain market share



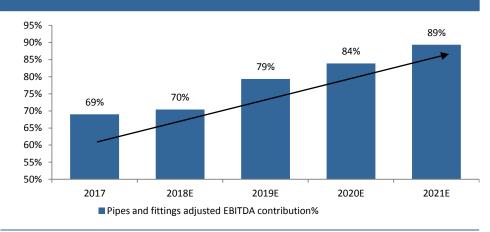
Source Company, Spark Capital

90% of resin requirement for pipes and fittings segment will be met by captive resin aiding in superior margins



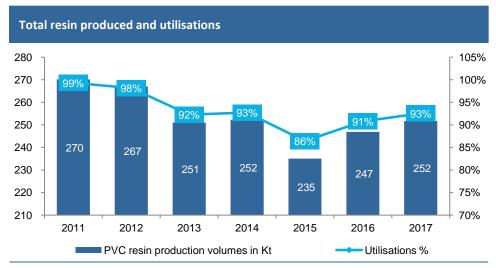
Source Company, Spark Capital

Pipes and fittings segment margin contribution to overall EBITDA



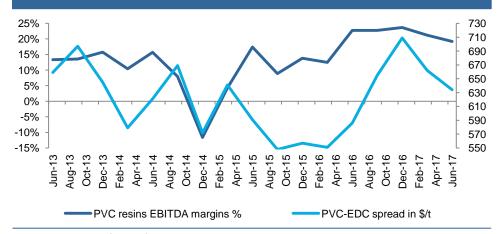


PVC Resin business: High PVC-EDC spreads in FY17 led to margins expansion



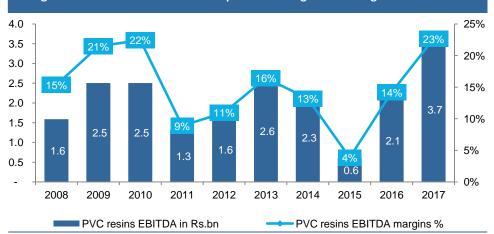
Source Company, Spark Capital

PVC resin margins are function of PVC-EDC spreads and inventory gain/loss



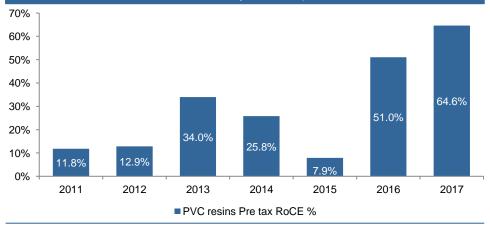
Source Company, Spark Capital

Margins are volatile due to PVC-EDC spread but long term average of 12-13%



Note: PVC- Poly vinyl chloride. EDC- Ethylene di-choloride, VCM- Vinyl chlorine monomer. Source: Company, Spark Capital

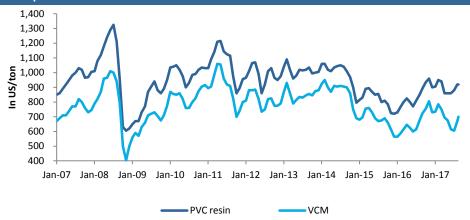
Resin segment RoCE's are high as most of the assets are depreciated (Spike in FY16-17 RoCE's due to asset revaluation post Ind-As).Normalised RoCE's of 25-30%





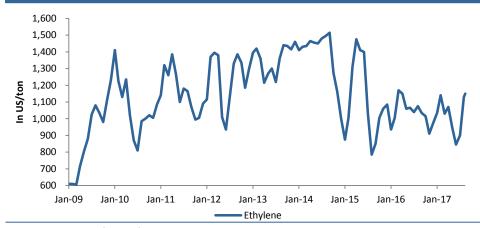
Easing oversupply in PVC post closure of EU and China units and surplus supply in EDC led to higher spreads

PVC prices have increased post touching its lows in 2015; VCM prices largely follow PVC prices



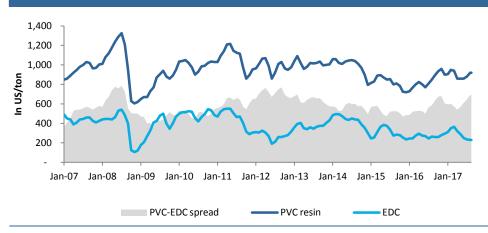
Source Company, Spark Capital

EDC price is function of availability of Ethylene and Chlorine; Ethylene prices are contained in last two years



Source Company, Spark Capital

PVC-EDC spreads are high due to falling input(EDC) prices



Source Company, Spark Capital

PVC resins prices on upward trend...

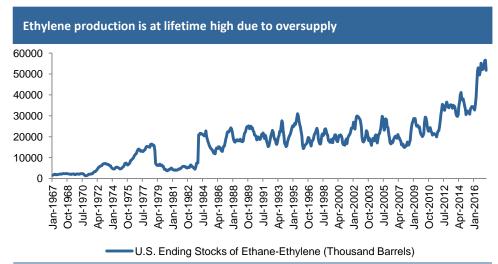
- Supply and demand balance in the downstream PVC market has improved, increasing operating rates for PVC to 70%.
- Due to declining of Chinese PVC exports, especially carbide-based PVC, and improved Chinese buying interest, other Asian PVC producers were able to achieve consecutive months' of firmer spot prices..
- China went from being a net exporter of ethylene-based and carbide-based PVC to being a net importer as Chinese government began a series of environmental in Hangzhou, China in early September 2016, which led to a number of Chinese vinyl facilities to lower their operating rates, or to shut down.

...whereas EDC prices trend down in FY17

- Ethylene is the key input for EDC. Oversupply in the ethylene due to capacity expansions in Middle east as a result of higher shale gas production resulting into lower Ethylene prices.
- Chlorine supply and prices depend on commissioning of Chlor Alkali capacities as Chlorine is byproduct in caustic soda production. Caustic soda production increased in FY16-17 leading to lower Chlorine prices. Closure of caustic soda units in China resulted into higher caustic prices which again lead to higher production in US.

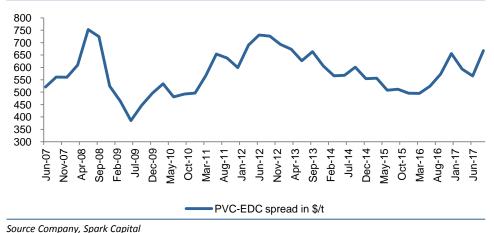


Expect current spreads to sustain in FY18 due to continuing PVC supply issues from China and oversupply of Ethylene in USA

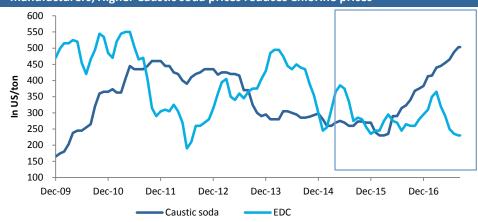


Source Company, Spark Capital

PVC-EDC current spreads crossed highs of FY17; Expect current spreads to sustain in FY18 due to PVC supply issues from China and continuing oversupply of Ethylene

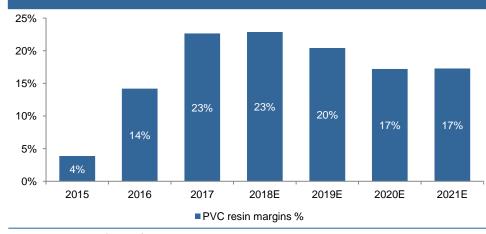


Caustic soda prices are also trending up; Chlorine is by product for Caustic soda manufacturers; Higher Caustic soda prices reduces Chlorine prices



Source Company, Spark Capital

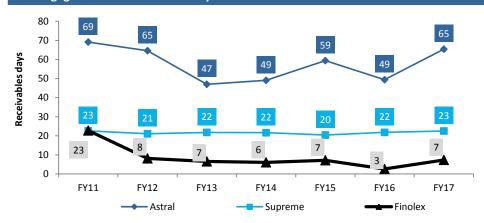
Expect FY18 PVC resin margins to be same as FY17 due to lower spreads in Q1FY18





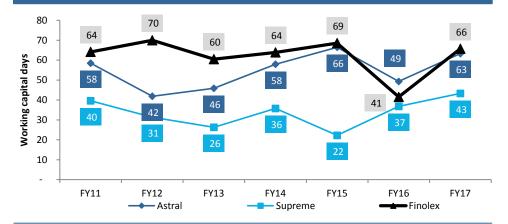
Working capital: "Cash and Carry" model offsets the higher inventory days due to captive resin plant

Finolex championed the <u>"Cash and carry"</u> model in Agri pipes which is reflected in its negligible trade receivables days



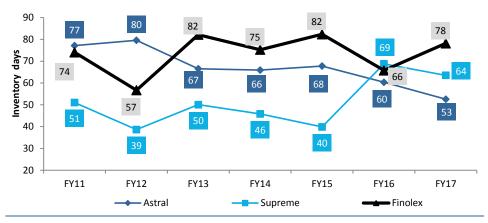
Source Company, Spark Capital

Total working capital days are highest for Finolex due to higher inventory days



Source Company, Spark Capital

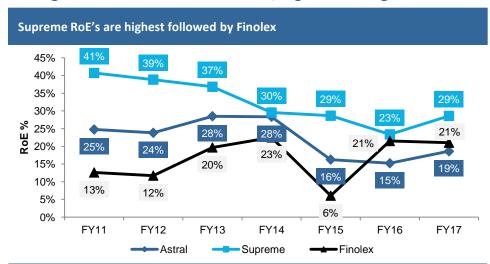
...But Finolex has higher inventory days due to maintaining higher inventory for resin business



- Finolex pioneered concept of "Cash and carry" model in Agri pipes due to its good quality and aggressively prices product. This is reflected in its negligible receivables days compared to Supreme and Astral.
- But inventory days for Finolex are much higher as it maintains 1.5-2 months of inventory due to sourcing of raw material (EDC, VCM and Ethylene) outside India.
- Typical cash conversion cycle involves:
 - ✓ Booking for EDC and VCM (NA for SIL and ASTRAL)
 - ✓ Delivery of EDC and VCM (NA for SIL and ASTRAL)
 - ✓ Conversion of EDC and VCM into Resin (NA for SIL and ASTRAL)
- ✓ Resin inventory of 1 month
- ✓ External/Captive sales of Resin (NA for SIL and ASTRAL)
- ✓ Extrusion into Pipes for captive sales
- ✓ PVC pipes sales
- ✓ Payment to Suppliers

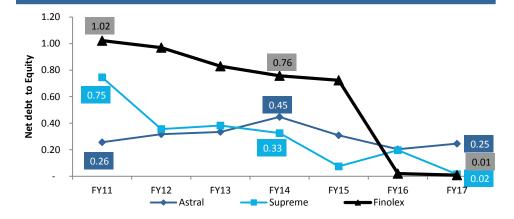


Strong return metric of more than 20%; High cash flow generation to damp RoE's in 2019-20E



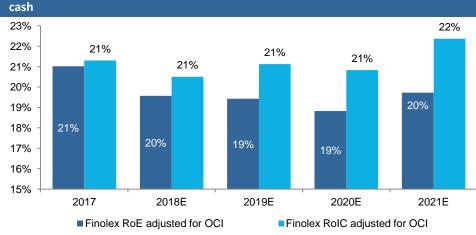
Source Company, Spark Capital

Balance sheet for most of the Pipes players is net cash



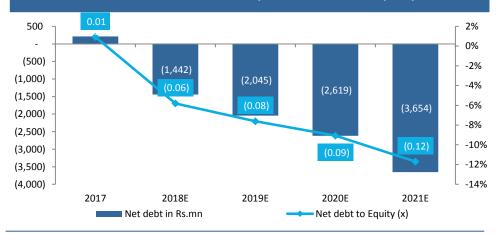
Source Company, Spark Capital

Finolex RoE's will be in range of 19-20% over next four years due to accumulated cash



Note: OCI: Other comprehensive income. FNXP revised investment value by Rs.5bn in FY17 and accounted in OCI. We eliminate this to adjust business RoE. Source Company, Spark Capital

Finolex balance sheet remains net cash despite 50% increase in capacity





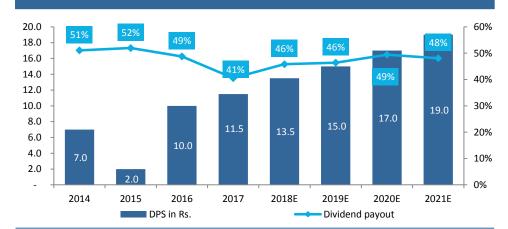
Cash flows and dividend payout

Finolex generates strong operating cash flows; Cumulative OCF over next two years is 10% of current market cap



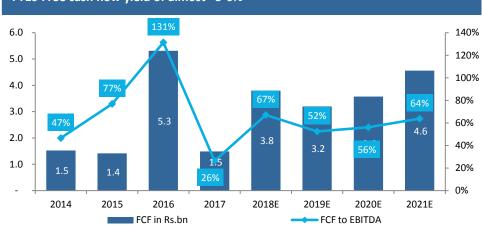
Source Company, Spark Capital

Consistent dividend payout of ~50%



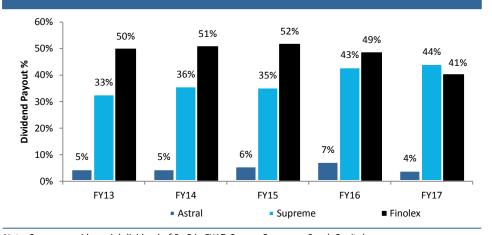
Source Company, Spark Capital

FY19 Free cash flow yield of almost ~5-6%



Source Company, Spark Capital

Finolex dividend payout is highest among pipes players and has a yield of 3-4%



Note: Supreme paid special dividend of Rs.5 in FY17. Source Company, Spark Capital



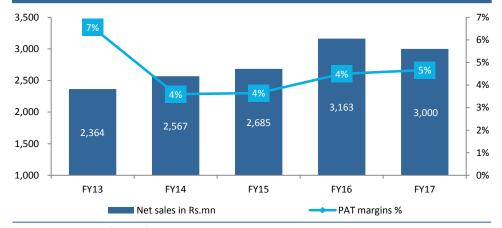
Other investment: FIL holds 15% in Finolex cables which is valued at Rs.11bn at current valuations

Finolex's value in its investments caps the downside; Monetisation needs to be monitored

Investment	Stake %	Investment value in Rs.mn
Finolex Plasson (Associate)	FIL- 46% Plaschin group- 34% Finolex group exc. FIL- 20%	74.9
Finolex cables (Investment)	14.5%	11,462
Land at Pune	70 acres in Pune	15,000-20,000

Source Company, Spark Capital

Finolex plasson profitability is stagnant over last two years...



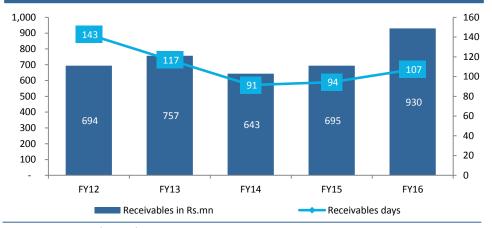
Source Company, Spark Capital

Finolex plasson is in the field of Micro Irrigation in India. Provides solution in Drip and Sprinkler Irrigation Systems and Turn- Key projects for all Agriculture sectors such as Row Crops, Horticulture, Green Houses, Plantations, Nurseries



Source Company, Spark Capital

...with high receivables days as well due to govt subsidy payout in micro-irrigation





<u>Case for rerating:</u> Higher profitability and return metrics warrant valuations discount to narrow with Supreme and Astral

Finolex Pipe	Finolex Pipes profitability by adjusting captive resin profitability										
	2014	2015	2016	2017	2018E	2019E	2020E	2021E			
Revenues	15,633	16,938	17,822	19,545	20,931	25,534	30,954	37,043			
Growth %		8%	5%	10%	7%	22%	21%	20%			
EBITDA inc. OI	2,632	1,855	3,167	4,268	4,523	5,581	6,335	7,682			
margins %	17%	11%	18%	22%	22%	22%	20%	21%			
PAT	1,368	843	1,785	2,645	2,790	3,456	3,903	4,772			
margins %	9%	5%	10%	14%	13%	14%	13%	13%			

Source Company, Spark Capital

Valuations comparison with peers								
	Company name	FY17	FY18E	FY19E	FY20E			
	Finolex	21.5	20.7	18.9	17.7			
PE(x)	Supreme	33.9	35.3	29.3	24.8			
	Astral	59.0	48.6	34.3	28.3			
	Finolex	13.4	13.1	12.1	11.5			
EV/EBITDA	Supreme	15.1	14.8	12.8	10.7			
	Astral	33.8	28.6	21.3	18.0			
	Finolex	32.3	17.7	17.8	16.9			
EV/OCF	Supreme	24.7	20.7	18.0	15.8			
	Astral	78.2	41.1	34.1	28.0			
	Finolex	2.0%	4.7%	4.3%	4.8%			
FCF yield %	Supreme	2.1%	1.6%	2.8%	4.0%			
	Astral	-0.6%	0.9%	1.5%	2.0%			

Source Company, Spark Capital

Profitability Comparison with Astral and Supreme

	Company name	FY17	FY18E	FY19E	FY20E
EBITDA	Finolex	21.8%	21.6%	21.9%	20.5%
	Supreme	17.1%	15.8%	16.3%	16.5%
margins %	Astral	14.0%	14.0%	14.8%	14.9%
RoE %	Finolex	21.0%	19.6%	19.4%	18.8%
	Supreme	28.6%	22.6%	23.4%	23.4%
	Astral	18.6%	19.3%	22.4%	22.1%
	Finolex	21.3%	20.5%	21.1%	20.8%
RoIC %	Supreme	22.0%	19.6%	20.7%	22.5%
	Astral	17.2%	17.6%	21.8%	23.2%
Not dobt to	Finolex	0.02	0.01	0.01	0.01
Net debt to Equity %	Supreme	0.02	(0.00)	(0.07)	(0.15)
	Astral	0.25	0.14	0.03	(0.06)

Source Company, Spark Capital

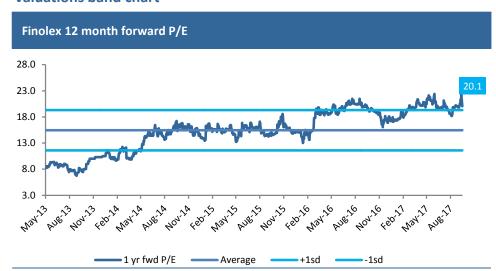
Supreme and Astral valuations premium w.r.t Finolex



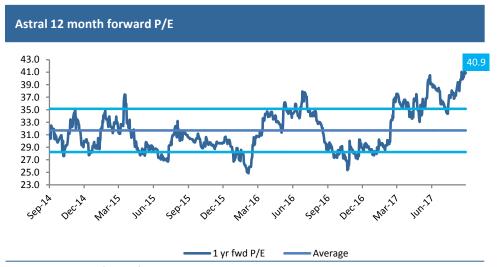
Astral valuations premium wrt to Finolex ——Supreme valuations premium wrt to Finolex



Valuations band chart



Source Company, Spark Capital



Source Company, Spark Capital

Supreme Industries 12 month forward PE



Source Company, Spark Capital

Valuations:

- FIL EBITDA profile is now more skewed towards valued added PVC pipes business (~70%) versus PVC resin business (23%).
- FIL stock still trades at a significant discount to its peers Astral (45% discount) and Supreme Industries (35% discount). This despite its market leading presence in PVC pipes segment, high margins profile, superior or on par cash flow/balance sheet/return ratio profile (refer slide no 28).
- We attribute 20x FY19E EPS, which is still at a 30-50% discount to its peers and attribute Rs.85/share towards its 14% investments in Finolex cables and 46% stake in Finolex Plasson to arrive at a target price of Rs.730/share, implying an upside of ~20% from current levels.



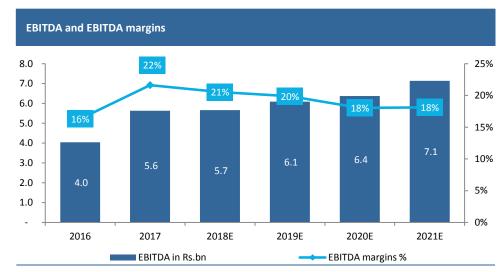
Consolidated Financials

Revenue and revenue growth 45.0 16% 40.0 14% 35.0 12% 30.0 10% 25.0 8% 20.0 39.4 35.3 6% 15.0 30.6 26.0 4% 27.6 10.0 2% 5.0 0% 2016 2018E 2020E 2021E 2017 2019E Revenues in Rs.bn Growth y-o-y %

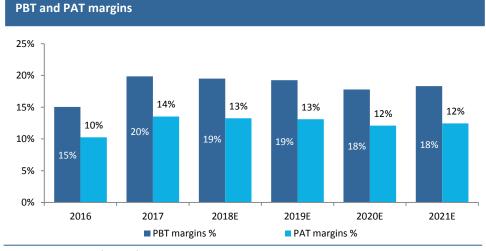
Source Company, Spark Capital



Source Company, Spark Capital



Source Company, Spark Capital





Corporate Governance

Non Executive directors details and Remunerations									
Name of the Director/KMP	Designation	Sitting Fees in Rs.mn	in Perguisites in Rs.mn remunera		No. of shares	% of shares			
Mr. Prakash P. Chhabria	Executive Chairman		115.3	20%	1,707,49	0.14			
Mr. Sanjay S. Math	Managing Director with effect from 01/12/2016)		25.9	43%	Nil				
Mr. Anil V. Whabi	Director Finance (with effect from 26/08/2016)		12.8	60%	Nil				
Mr. Sanjay K. Asher	Non- Executive Director	0.28	1.8	82%	Nil				
Mr. Kanaiyalal N. Atmaramani	Non- Executive Director	0.04	1.9	67%	Nil				
Mrs. Ritu P. Chhabria	Non- Executive Director	0.28	1.8	89%	4,450	0.004			
Mr. Dara N. Damania	Non- Executive Director	0.34	1.8	61%	900	0.001			
Mr. Shrikrishna N. Inamdar	Non- Executive Director	0.44	2.4	69%	2,000	0.002			
Mr. Prabhakar D. Karandikar	Non- Executive Director	0.64	2.1	62%	Nil				
Dr. Sunil U. Pathak	Non- Executive Director	0.64	2.1	47%	300				
MsVidya R. Shembekar	Company Secretary and KMP (w.e.f. 8/12/2016)		1.1		Nil				

Comparison of Key personnel's remuneration with employees						
The median remuneration of employees of the Company during the financial year was	Rs. 0.46mn					
Increase in the median remuneration of employees	7.7%					
Increase in total remuneration of Key Managerial Personnel (KMP)	27.1%					
Average increase in remuneration other than KMP's during 2015-16	11.1%					
Increase in Company's Profit before Tax	39.0%					

	Number of Board Meetings					
Name of the Directors	Held	Attended	Last AGM			
Mr. Prakash P. Chhabria	5	5	Yes			
Mr. Sanjay K. Asher	5	5	Yes			
Mr. Kanaiyalal N. Atmaramani	5	4	No			
Mrs. Ritu P. Chhabria	5	5	Yes			
Mr. Dara N. Damania	5	4	Yes			
Mr. Anil V. Whabi*		2	Yes			
Mr. Shrikrishna N. Inamdar	5	4	Yes			
Dr. Sunil U. Pathak	5	5	Yes			



Financial Summary

Abridged Financial Statements									
Rs. mn	FY13	FY14	FY15	FY16	FY17	FY18E	FY19E	FY20E	FY21E
Profit & Loss									
Revenue	21,448	24,530	24,762	24,819	26,024	27,584	30,632	35,288	39,382
EBITDA	2,627	3,268	1,840	4,044	5,630	5,665	6,091	6,369	7,141
Depreciation	544	623	587	506	550	601	704	797	856
EBIT	2,082	2,645	1,253	3,539	5,080	5,064	5,388	5,572	6,285
Other Income	334	437	202	396	243	426	577	759	984
Interest expense	514	664	598	447	153	113	64	56	56
Exceptional items	-	-	50	-245	-	-	-	-	-
PBT	1,902	2,418	808	3,733	5,170	5,378	5,901	6,275	7,213
Reported PAT (after minority interest)	1,361	1,701	478	2,544	3,522	3,657	4,013	4,267	4,905
Adj PAT	1,361	1,701	428	2,789	3,522	3,657	4,013	4,267	4,905
EPS (Rs.)	11	14	3	22	28	29	32	34	40
Balance Sheet									
Net Worth	7,212	7,897	7,874	15,698	22,914	24,853	26,850	28,877	31,243
Deferred Tax	936	1,063	1,108	1,276	1,316	1,316	1,316	1,316	1,316
Total debt	8,395	7,134	6,371	2,115	942	442	342	342	342
Other liabilities and provisions	1,992	1,901	1,239	1,965	2,079	2,163	2,329	2,581	2,803
Total Networth and liabilities	18,534	17,996	16,591	21,055	27,251	28,775	30,836	33,116	35,703
Gross Fixed assets	17,710	18,500	18,939	8,930	9,508	10,508	12,008	13,508	15,008
Net fixed assets	8,795	9,052	8,678	8,470	8,517	8,916	9,712	10,415	11,060
Capital work-in-progress	506	325	104	66	217	217	217	217	217
Goodwill	0	0	0	27	35	35	35	35	35
Investments	3,596	2,215	1,797	8,172	12,222	12,222	12,222	12,222	12,222
Cash and Bank Balances	90	209	123	104	163	1,043	1,515	2,043	3,037
Loans & advances and other assets	2,182	1,840	1,817	1,999	2,273	2,409	2,675	3,082	3,439
Net working capital	3,364	4,355	4,074	2,217	3,824	3,933	4,460	5,102	5,694
Total assets	18,534	17,996	16,591	21,055	27,251	28,775	30,836	33,116	35,703
Capital Employed	16,325	15,319	14,638	16,029	20,835	24,576	26,243	28,205	30,402
Invested Capital (CE - cash - CWIP)	13,118	13,538	13,726	14,797	19,575	23,407	24,399	25,860	27,296
Net Debt	5,982	5,985	5,697	324	213	(1,167)	(1,739)	(2,267)	(3,261)
Cash Flows									
Cash flows from Operations (Pre-tax)	3,284	3,172	2,452	6,879	3,989	5,931	6,041	6,332	7,397
Cash flows from Operations (post-tax)	2,744	2,455	2,122	5,690	2,342	4,210	4,153	4,324	5,089
Capex	(1,186)	(705)	(312)	(326)	(944)	(1,000)	(1,500)	(1,500)	(1,500)
Free cashflows	1,558	1,750	1,810	5,364	1,397	3,210	2,653	2,824	3,589
Free cashflows (post interest costs)	1,377	1,523	1,415	5,313	1,487	3,523	3,166	3,527	4,517
Cash flows from Investing	619	1,103	183	(772)	479	(1,000)	(1,500)	(1,500)	(1,500)
Cash flows from Financing	(3,563)	(3,439)	(2,391)	(4,937)	(2,761)	(2,330)	(2,180)	(2,296)	(2,595)
Total cash & liquid investments	2,413	1,150	674	1,791	729	1,608	2,081	2,608	3,602



Financial Summary

Growth and Ratios									
	FY13	FY14	FY15	FY16	FY17	FY18E	FY19E	FY20E	FY21E
Key variables (sector specific)						·			
Pipes capacity in mt	210,735	230,735	250,000	280,000	290,000	340,735	390,735	440,735	490,735
Pipes revenues	13,559	15,113	16,395	17,821	19,545	20,931	25,534	30,954	37,043
PVC resin revenues	7,115	8,664	7,680	6,696	6,347	6,514	4,944	4,157	2,141
Growth ratios									
Revenue	2.1%	14.4%	0.9%	0.2%	4.9%	6.0%	11.1%	15.2%	11.6%
EBITDA	21.2%	24.4%	-43.7%	119.8%	39.2%	0.6%	7.5%	4.6%	12.1%
Adj PAT	81.2%	25.0%	-74.9%	551.9%	26.3%	3.8%	9.7%	6.3%	14.9%
Margin ratios									
EBITDA	12.2%	13.3%	7.4%	16.3%	21.6%	20.5%	19.9%	18.0%	18.1%
Adj PAT	6.3%	6.9%	1.7%	11.2%	13.5%	13.3%	13.1%	12.1%	12.5%
Performance ratios									
Pre-tax OCF/EBITDA	125.0%	97.1%	133.3%	170.1%	70.9%	104.7%	99.2%	99.4%	103.6%
OCF/IC (%)	21%	18%	15%	38%	12%	18%	17%	17%	19%
RoE (%) (Adjusted for OCI)	20%	23%	6%	21%	21%	20%	19%	19%	20%
RoCE (%)	11%	14%	6%	17%	17%	15%	15%	15%	16%
RoCE (Pre-tax)	15%	19%	10%	26%	29%	24%	23%	23%	25%
RoIC (Pre-tax)	16%	20%	9%	25%	30%	24%	23%	22%	24%
Fixed asset turnover (x)	2.6	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.7
Total asset turnover (x)	1.1	1.3	1.4	1.3	1.1	1.0	1.0	1.1	1.1
Financial stability ratios									
Net Debt to Equity (x)	0.8	0.8	0.7	0.0	0.0	(0.0)	(0.1)	(0.1)	(0.1)
Net Debt to EBITDA (x)	2.3	1.8	3.1	0.1	0.0	(0.2)	(0.3)	(0.4)	(0.5)
Interest cover (x)	5	4	4	13	15	37	65	78	91
Cash conversion days	57	65	60	33	54	52	53	53	53
Working capital days	60	64	69	41	66	64	65	65	65
Valuation metrics									
Fully Diluted Shares (mn)	124	124	124	124	124	124	124	124	124
Market cap (Rs.mn)	75,693	75,698	75,698	75,698	75,698	75,698	75,698	75,698	75,698
P/E (x)	55.6	44.5	176.9	27.1	21.5	20.7	18.9	17.7	15.4
P/OCF(x)	27.6	30.8	35.7	13.3	32.3	18.0	18.2	17.5	14.9
EV (Rs.mn) (ex-CWIP)	81,174	81,358	81,291	75,956	75,694	74,314	73,742	73,214	72,220
EV/ EBITDA (x)	30.9	24.9	44.2	18.8	13.4	13.1	12.1	11.5	10.1



Crystal Ball Gazing

FIL is the market leader in Agri pipes and expanding aggressively in pluming pipes by adding capacities and tieup with Lubrizol for CPVC pipes offerings. FIL has strong return ratio profile of more than 20%. Also, we expect FIL to generate cumulative operating cash flow of Rs.13bn and free cash flow of Rs.10bn (Implied free cash flow yield of 5%) despite capacity addition over next three years.

Consistent volume growth led by new capacity expansion and foray into CPVC

	FY12	FY16	FY17	FY18E	FY19E	FY20E	FY21E
Revenue	20,998	24,819	26,024	27,584	30,632	35,288	39,382
Ebitda	2,168	4,044	5,630	5,665	6,091	6,369	7,141
Margins	10%	16%	22%	21%	20%	18%	18%
PAT	751	2,789	3,522	3,657	4,013	4,267	4,905

Strong ROE's of 20% and debt free balance sheet despite capacity expansion

	FY12	FY16	FY17	FY18E	FY19E	FY20E	FY21E
RoE	12%	21%	21%	20%	19%	19%	20%
Leverage	0.97	0.02	0.01	(0.05)	(0.06)	(0.08)	(0.10)
Working capital days	70	41	66	64	65	65	65
CFO (Rs nm)	1,545	5,690	2,342	4,210	4,153	4,324	5,089

Multiples to sustain

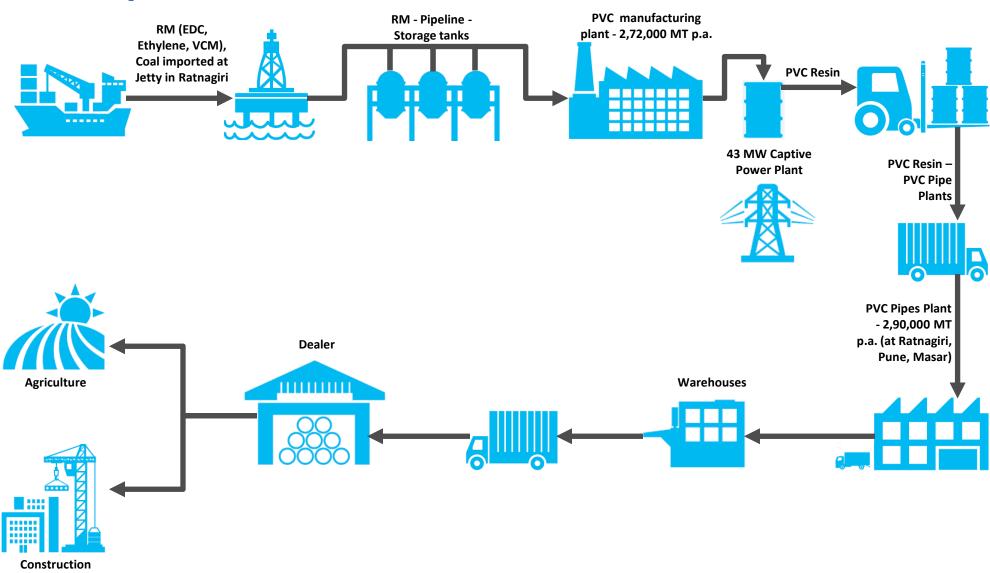
PE multiple	FY21E EPS	Price target
20x	39.5	950
23x	39.5	1,060



APPENDIX



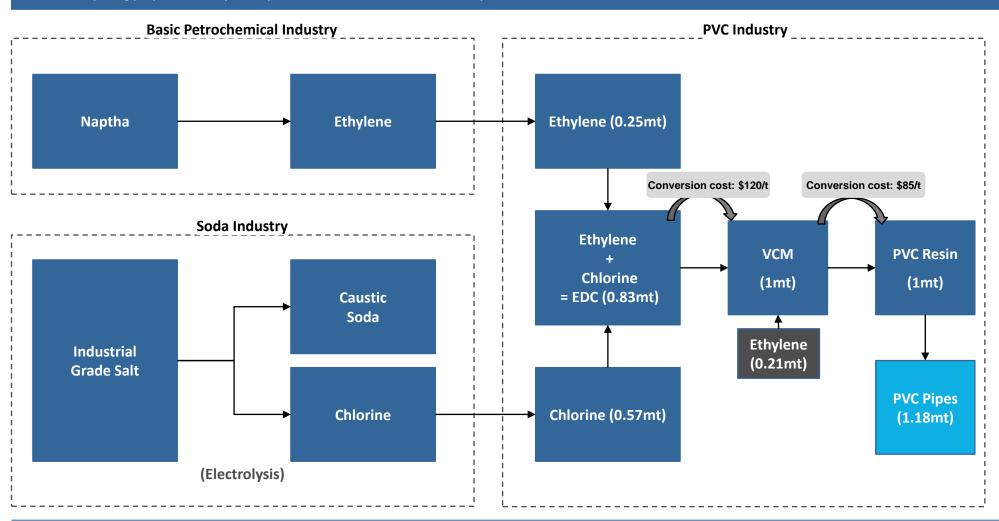
PVC Manufacturing Process





PVC resin manufacturing Chain

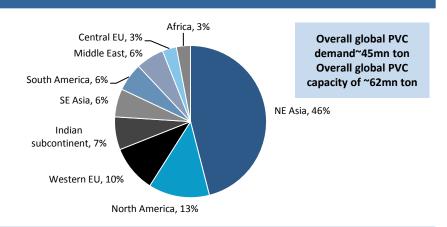
Flowchart depicting proportion of inputs required to manufacture PVC resin and Pipes





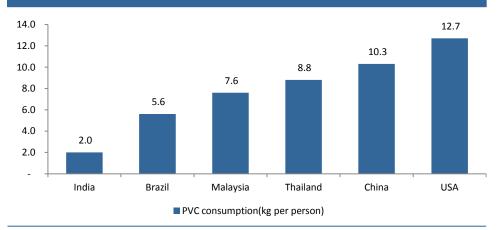
PVC Resin Demand

Global PVC demand



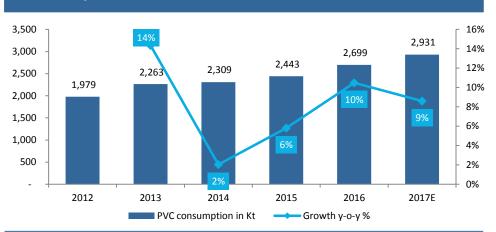
Source: Spark Capital

But PVC consumption remains low compared to other emerging markets



Source :Spark Capital

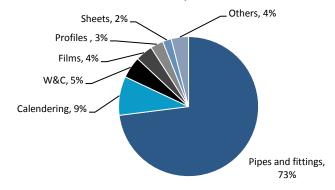
PVC Consumption in India



Source: Spark Capital

Demand from Pipes and fittings contributed 73% to overall PVC demand in India

India PVC consumption in FY16



Source: Spark Capital



Demand Dynamics in India

Capacity in India

(to ta)			Projected				
(In kt)	Туре	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
RIL	Susp	625	625	670	670	750	750
Finolex	Susp	270	270	270	270	270	270
Chemplast	Susp	250	260	260	260	260	260
DCW	Susp	90	90	90	90	90	90
Shriram	Susp	70	70	70	70	70	70
Total		1,350	1,315	1,360	1,360	1,440	1,440
Chemplast	Emulsion	30	30	30	30	30	30

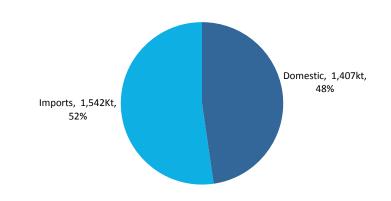
Source: Spark Capital

PVC demand in India in last 5 years

(kt)	Turno			Projected			
(KL)	Туре	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Capacity		1,305	1,315	1,360	1,360	1,440	1,440
Production	Susp	1,242	1,201	1,293	1,256	1,354	1,406
Dom Sales	Susp	1,230	1,215	1,283	1,271	1,364	1,407
Imports	Susp	749	1,048	1,026	1,172	1,335	1,542
Exports	Susp						
Consumption		1,979	2,263	2,309	2,443	2,699	2,931

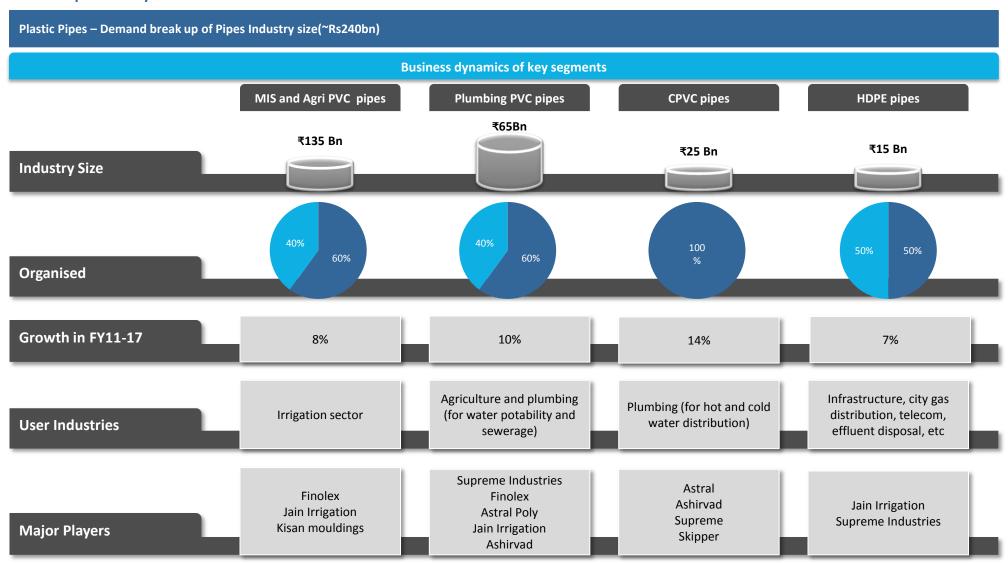
Source Company, Spark Capital

Majority of consumption is met through imports





Plastic Pipe Industry Market at a Glance



Finolex Industries | Initiating Coverage | Rating: BUY | TP: 730



Spark Disclaimer

Absolute Rating	BUY	Stock expected to provide positive returns of >15% over a 1-year horizon	REDUCE	Stock expected to provide returns of <5% – -10% over a 1-year horizon
Interpretation	ADD	Stock expected to provide positive returns of >5% – <15% over a 1-year horizon	SELL	Stock expected to fall >10% over a 1-year horizon

Spark Disclaimer

Spark Capital Advisors (India) Private Limited (Spark Capital) and its affiliates are engaged in investment banking, investment advisory and institutional equities and infrastructure advisory services. Spark Capital is registered with SEBI as a Stock Broker and Category 1 Merchant Banker.

We hereby declare that our activities were neither suspended nor we have defaulted with any stock exchange authority with whom we are registered in the last five years. We have not been debarred from doing business by any Stock Exchange/SEBI or any other authorities, nor has our certificate of registration been cancelled by SEBI at any point of time.

Spark Capital has a subsidiary Spark Investment Advisors (India) Private Limited which is engaged in the services of providing investment advisory services and is registered with SEBI as Investment Advisor. Spark Capital has also an associate company Spark Infra Advisors (India) Private Limited which is engaged in providing infrastructure advisory services.

This document does not constitute or form part of any offer or solicitation for the purchase or sale of any financial instrument or as an official confirmation of any transaction. This document is provided for assistance only and is not intended to be and must not alone be taken as the basis for an investment decision. Nothing in this document should be construed as investment or financial advice, and nothing in this document should be construed as an advice to buy or sell or solicitation to buy or sell the securities of companies referred to in this document.

Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject Spark Capital and/or its affiliates to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such applicable restrictions. This material should not be construed as an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal.

Spark Capital makes no representation or warranty, express or implied, as to the accuracy, completeness or fairness of the information and opinions contained in this document. Spark Capital, its affiliates, and the employees of Spark Capital and its affiliates may, from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report.

This report has been prepared on the basis of information, which is already available in publicly accessible media or developed through an independent analysis by Spark Capital. While we would endeavour to update the information herein on a reasonable basis, Spark Capital and its affiliates are under no obligation to update the information. Also, there may be regulatory, compliance or other reasons that prevent Spark Capital and its affiliates from doing so. Neither Spark Capital nor its affiliates or their respective directors, employees, agents or representatives shall be responsible or liable in any manner, directly or indirectly, for views or opinions expressed in this report or the contents or any errors or discrepancies herein or for any decisions or actions taken in reliance on the report or the inability to use or access our service in this report or for any loss or damages whether direct or indirect, incidental, special or consequential including without limitation loss of revenue or profits that may arise from or in connection with the use of or reliance on this report.



Spark Disclaimer

Spark Capital and/or its affiliates and/or employees may have interests/positions, financial or otherwise in the securities mentioned in this report. To enhance transparency, Spark Capital has incorporated a disclosure of interest statement in this document. This should however not be treated as endorsement of views expressed in this report:

Disclosure of interest statement	Yes/No		
Analyst financial interest in the company			
Group/directors ownership of the subject company covered			
Investment banking relationship with the company covered			
Spark Capital's ownership/any other financial interest in the company covered			
Associates of Spark Capital's ownership more than 1% in the company covered			
Any other material conflict of interest at the time of publishing the research report			
Receipt of compensation by Spark Capital or its Associate Companies from the subject company covered for in the last twelve months:			
 Managing/co-managing public offering of securities 			
 Investment banking/merchant banking/brokerage services Products or services other than those above in connection with research report 			
			Whether Research Analyst has served as an officer, director or employee of the subject company covered
Whether the Research Analyst or Research Entity has been engaged in market making activity of the Subject Company;			

Analyst Certification of Independence

The views expressed in this research report accurately reflect the analyst's personal views about any and all of the subject securities or issuers; and no part of the research analyst's compensations was, is or will be, directly or indirectly, related to the specific recommendation or views expressed in the report.

Additional Disclaimer for US Institutional Investors

This investment research distributed in the United States by Spark Capital Advisors (India) Private Limited and in certain instances by Enclave Capital LLC ('Enclave'), a U.S registered broker dealer, only to major U.S. institutional investors, as defined under Rule 15a-6 promulgated under the US Securities Exchange Act of 1934, as amended, and as interpreted by the staff of the US Securities and Exchange Commission. This investment research is not intended for use by any person or entity that is not a major U.S institutional investor. If you have received a copy of this research and are not a major U.S institutional investor, you are instructed not to read, rely on or reproduce the contents hereof, and to destroy this research or return it to Spark Capital Advisors (India) Private Limited or to Enclave. Analyst(s) preparing this report are employees of Spark Capital Advisors (India) Private Limited who are resident outside the United States and are not associated persons or employees of any US registered broker-dealer. Therefore the analyst(s) are not be subject to Rule 2711 of the Financial Industry Regulatory Authority (FINRA) or to Regulation AC adopted by the U.S Securities and Exchange Commission (SEC) which among other things, restrict communications with a subject company, public appearances and personal trading in securities by a research analyst. Any major U.S Institutional investor wishing to effect transactions in any securities referred to herein or options thereon should do so by contacting a representative of Enclave Capital LLC. Enclave is a broker-dealer registered with the SEC and a member of FINRA and the Securities Investor Protection Corporation. Its address is 19 West 44th Street, Suite 1700, New York, NY 10036 and its telephone number is 646-454-8600. Spark Capital Advisors (India) Private Limited is not affiliated with Enclave Capital LLC or any other U.S registered broker-dealer.