

Solutions  
that flow with  
*Precision*



**SFMC**  
GROUP



**Market Leaders in PPR Pipes & Fittings for last 25 Years**

**1<sup>st</sup> time**  
in **India**  
with **3 Layer**  
technology

 AN ISO 9001:2008 CERTIFIED	 CPVC PIPES AND FITTINGS BY SFMC	 WATER TANK
IS-15801	IS-4985	IS-13592
AN ISO 9001:2015 CERTIFIED COMPANY		

## PPR FIBER GLASS COMPOSITE PIPE

SFMC Brand Thermal FR Composite Piping Industrial Vein has been especially developed for Process Industries where Production directly affects the Quality of the Product and Costing. It sincerely supports in improving Productivity and in reducing the costing by minimizing the maintenance and increasing the life of pipeline.

SFMC Thermal FR Composite Piping is like a boon in all type of Process Lines as well as Utility Lines owing to lower Thermal Conductivity and Excellent Temperature and Corrosion Resistance.

## PPR-FR COMPOSITE PIPE

PPR-FR SFMC PPR Pipe Fittings for (Compressed Air Handling) has become the Technology of compressed air pipeline nowadays by the efforts of SFMC, which is having number of users and well built existence in almost all types of industries that has announced our product as a Technical Advance Product.

Compressed Air Piping plays an Important Role in the Selection of Industrial Pipeline since it reduces energy Consumption and thus affects the Product Quality especially in Textile, Process, Engineering, Pharmaceuticals, Food, Paper and many more Industries

SFMC brand PPR-FR Thermal Pipes and Fittings have been "Prominent" in the Industrial segment and thus "PPR-FR Pneumatic Pipes and Fittings" itself has become the Product Name and Technology.

SFMC have put PPR-FR Thermal Pneumatic Pipes and Fittings" in market by introducing Glass Fibre Reinforced Technology. with this Great Endeavor, Excellent Marketing Skills and by satisfying the needs and applications of customers. It is a now a well know products in Industries.

### Industries Using the Product Satisfactorly

- ➔ Acid Fillings Stations
- ➔ Laboratories
- ➔ Automotive Industry
- ➔ Nuclear Research Centers
- ➔ Chemical Industry
- ➔ Paper & Pulp Mills
- ➔ Construction (Plumbing)
- ➔ Pharmaceutical Industry
- ➔ Desalination Plants
- ➔ Pickling Lines
- ➔ Effluent Treatment / Disposal
- ➔ Plants Refineries
- ➔ Electroplating Plant

### Advantages

- ➔ Good Rigidity and Stability
- ➔ High Impact Resistance in Low Temp.
- ➔ High Temperature, High Pressure
- ➔ Joint by Welding is Safe and Reliable
- ➔ High Pressure Resistance
- ➔ 30% Reduction in Linear Expansion

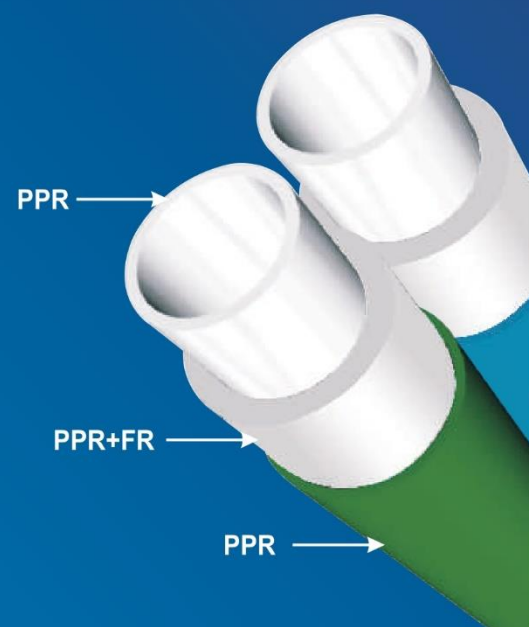
### PPR-FR Pipes - Green

- ➔ UV Stabilized PPR-C Top Layer
- ➔ PPR-C FR Composite Middle Layer
- ➔ PPR-C Inner Layer



### PPR Composite Pipe - Blue

- ➔ Upper Layer UV Stabilized
- ➔ Middle Layer Glass Fiber Reinforced Layer
- ➔ Inner Layer - Very Smooth and Clear



## PPR PIPES & FITTINGS



The raw material of SFMC Pipes and fittings is polypropylene random copolymer (PP-R). This material due to high quality, is the most reliable system to be employed in hot & cold water plumbing and water supply applications.

### GOOD PROPERTIES

- No calcification
- Non corrosive
- Leak proof and frost proof
- Non decaying and non-deforming
- Non contracting diameter
- More then 50 years service life
- High chemical resistance
- No bacteria and moss reproduction with in the pipes
- Resistance to high temperature (95°C)
- Heat preservative and energy saving (no need for insulation)
- Taste and odour neutral
- No reaction with salts and acids
- UV stable
- Available in different pressure ratings for diversified usage from economy to premium range coverage
- Recyclable - for the benefit of environment
- Size available from 16 mm to 400 mm

### 3 LAYER PP-R PIPES

#### U.V. PROTECTION

Light and Oxygen induce degradation reactants in plastic that may not only harm them visually but also exert a detrimental influence on mechanical and physical properties. Thus the life of plastic product reduces drastically moreover, the environmental factors like humidity, temperature and pressure accelerates process. Thus the stabilization of polymers from UV (Ultra Violet Rays from sun) becomes very important.

### ANTI MICROBIAL PP-R LAYER

Anti - Microbial layer prevents the growth of bacteria / microbes / algae etc. and preserves the pipes from them. This Anti Microbial additive is very low migrating which makes it last for the entire life of product. This Anti Microbial Layer is stable upto 270° C temperature.

### BENEFITS

- Anti Microbial Layer is highly food grade.
- Water storability increases tremendously i.e. even for the water lying stagnant in the pipe. It remains hygienic without any bacterial formation for a long period of time.
- Bad odour can be avoided.

### ADVANTAGES

- UV Stabilizers contains various chemical properties, which gives the protection against UV light by various chemical mechanisms.
- Colors like Black, Green already have good resistance to UV rays, but addition of UV stabilizers further enhance the light and thermal stability of product.
- UV stabilizers impart long term durability and enhance life to the product.
- It helps to maintain the properties of polymers.



## CPVC PIPES & FITTINGS FOR HOT & COLD WATER APPLICATIONS

### Advantages

- High and low rise residential buildings, complexes, societies & hotels
- Office complexes
- Commercial and industrial installations
- Villas, Farm-houses & individual homes
- Solar water heaters and Geysers
- Hot and Cold water distribution in Residential, Industrial and public projects
- Carrying drinking water and liquid foods
- Water and waste water treatment systems
- Transportation of chemical and hot corrosive fluids, which includes a wide variety of inorganic acids, bases used in chemical processing
- Use in industries like metal finishing, plating and treatment, pulp and paper, air pollution control, mining, aerospace, textile, food and beverage processing, fire sprinkler piping and municipal projects
- Solar heating, central heating and radiant floor heating application
- Trouble - free Proven Performance
- Smooth Bore and 100% Water carrying capacity
- Low Thermal Expansion
- Very low thermal conductivity ensures hot water maintaining its temperature for a long duration
- High Impact strength even in low temperature conditions
- Can be installed and operated in all weather conditions
- Pressure and temperature bearing capacity remains unaffected even after long solar and UV radiation exposure
- Excellent resistance from corrosion
- Bacterial growth in CPVC is far lower than Copper, GI, MS and other alternate piping systems
- Resistance to chlorine present in water
- CPVC uses a simple solvent cement jointing method
- CPVC is compatible with Hot & Cold water. it is safe to use the pipe in hot water upto 80° C
- CPVC has a limiting oxygen index (LOI) of 60. Thus in air CPVC does not support combustion.

### DIMENSIONAL CHART OF CPVC PIPES AS PER 15778 : 2007

Nominal Bore		Outside Diameter		SDR-11				SDR-13.5			
				Wall Thickness		Working Pressure		Wall Thickness		Working Pressure	
(mm)	(inch)	Min	Max	Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C
15	1/2	15.80	16.00	1.70 <sup>#</sup>	2.20 <sup>#</sup>	28.14	6.93	1.40 <sup>#</sup>	1.90 <sup>#</sup>	22.22	5.60
20	3/4	22.10	22.30	2.00	2.50	28.14	6.93	1.70	2.20	22.22	5.60
25	1	28.50	28.70	2.60	3.10	28.14	6.93	2.10	2.60	22.22	5.60
32	1 ¼	34.80	35.00	3.20	3.70	28.14	6.93	2.60	3.10	22.22	5.60
40	1 ½	41.20	41.40	3.80	4.30	28.14	6.93	3.10	3.60	22.22	5.60
50	2	53.90	54.10	4.90	5.50	28.14	6.93	4.00	4.60	22.22	5.60

Nominal Bore		Outside Diameter		Schedule 40				Schedule 80			
				Wall Thickness		Working Pressure		Wall Thickness		Working Pressure	
(mm)	(inch)	(mm)		Min	Max	At 23°C	At 82°C	Min	Max	At 23°C	At 82°C
65	2 ½	73.00 (+/- 0.18)		5.16	5.77	21.10	5.30	7.01	7.85	29.57	7.34
80	3	88.90 (+/- 0.20)		5.49	6.15	18.25	4.58	7.62	8.53	26.00	6.32
100	4	114.30 (+/- 0.23)		6.02	6.73	15.49	3.87	8.56	9.58	22.53	5.60
150	6	168.30 (+/- 0.28)		7.11	7.97	12.64	3.16	10.97	12.29	19.68	4.89
200	8	219.10 (+/- 0.38)		8.18	9.17	11.21	2.85	12.70	14.22	17.54	4.18
250	10	273.10 (+/- 0.38)		9.27	10.39	9.89	2.44	15.06	16.86	16.21	3.87



SFMC offers an exhaustive range of PVC-U pressure pipes and fittings. Pressure pipes are manufactured as per IS 4985: 2021 standard and are available in 20mm to 400mm sizes in different pressure class. Pipes with both types of joints i.e. solvent cement type and Elastomeric Pipes are available. Varieties fittings are also available.

## DIMENSIONS OF PVC-U PRESSURE PIPES (IS 4985:2021 EXTRACT)

Nominal outside diameter (D)	Tolerance on outside diameter	wall Thickness (t)mm									
		Class 1 (PN) 2.5 kgf/cm <sup>2</sup>		Class 2 (PN) 4kgf/cm <sup>2</sup>		Class 3 (PN) 6kgf/cm <sup>2</sup>		Class 4 (PN) 8kgf/cm <sup>2</sup>		Class 5 (PN) 10kgf/cm <sup>2</sup>	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	+ 0.3	-	-	-	-	-	-	-	-	1.1	1.5
25	+ 0.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8
32	+ 0.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2
40	+ 0.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7
50	+ 0.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3
63	+ 0.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1
75	+ 0.3	-	-	1.8	2.2	2.6	3.1	3.4	4	4.2	4.9
90	+ 0.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5	5.7
110	+ 0.4	1.6	2.4	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1
125	+ 0.4	1.8	2.2	2.9	3.4	4.3	5	5.6	6.4	6.9	8
140	+ 0.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9
160	+ 0.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2
180	+ 0.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4
200	+ 0.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11	12.7
225	+ 0.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3
250	+ 0.8	3.6	4.2	5.7	6.5	8.5	9.1	11.2	12.9	13.8	15.9
280	+ 0.9	4.1	4.8	6.4	7.4	9.5	11	12.5	14.4	15.4	17.8
315	+ 1.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9
355	+ 1.1	5.1	5.9	8.1	9.4	12.0	13.8	15.8	18.2	19.6	22.6
400	+ 1.2	5.8	6.7	9.1	10.5	13.5	15.6	17.8	20.5	20	25.3

## Benefits of SFMC PVC-U Pipes

- Economy** : Being cheaper than conventional cement and steel pipes, SFMC PVC-U PIPES are very economical
- Light Weight** : PVC pipes are 1/6th the weight of steel pipe. This makes them easy to carry and install, doing away with heavy material handing equipment. This reduces labour cost as well as the process of installation is faster.
- Rugged and Durable** : Manufactured out of the best PVC material, SFMC PVC-U PIPES do not get rusted and are not affected by most chemicals. Hence, they last longer, render trouble - free service and require less maintenance
- More Flow** : Frictional losses in SFMC PVC-U PIPES are 40% lower then conventional pipes. Hence there is approximately 25% more flow than from pipes of the same size conventional pipes and pipes of other companies.



SFMC Manufacturers PVC-U Plain and Socket end Pipes with nominal Out side Diameter from 75, 90, 110 & 160mm. These Pipes are used in soil and waste discharge system inside the building including ventilating and rain water applications.

### AS PER IS (I3592 SWR TYPE A)

Nominal Out Side Diameter	Mean Out Side Diameter		Wall Thickness Type - A	
	Min	Max	Min	Max
In mm				
75	75.00	75.30	1.80	2.20
90	90.00	90.30	1.90	2.30
110	110.00	110.40	2.20	2.70
160	160.00	160.50	3.20	3.80

### AS PER IS (I3592 SWR TYPE B)

Nominal Out Side Diameter	Mean Out Side Diameter		Wall Thickness Type - B	
	Min	Max	Min	Max
In mm				
75	75.00	75.30	3.20	3.80
90	90.00	90.30	3.20	3.80
110	110.00	110.40	3.20	3.80
160	160.00	160.50	4.00	4.60

## Silent Features :



- ◆ **High flow rate & Non-Conductive** : SFMC PVC-U Pipes have smooth inner surface. PVC-U SWR Pipes & Fittings are non-conductive and galvanic or electrolytic action does not affect in working. Thus flow rate will be more.
- ◆ **Low Priced** : Due to light weight and simple jointing techniques, saving can be affected in the cost of material, transportation and installation. Cost of SFMC PVC-U SWR Pipes & Fittings are therefore more cost effective than conventional drainage pipes.
- ◆ **Resilient and resistant to most of the chemicals** : SFMC PVC-U SWR Pipes & Fittings are resistant to alcohol, fats, oil, aromatic & chlorinated hydrocarbons. Also they are more reliable and do not support any fungal growth.
- ◆ **UV Stabilized** : SFMC SWR Pipes & Fittings usable for drainage system are UV Stabilized which eliminates the adverse effect of sunlight and weather. Therefore the system can be used for outdoor applications.
- ◆ **Non-Corrosive** : Pipes do not support any formation of rust on pipes.
- ◆ **Durable and long lasting** : It has very good tensile and impact strength, hence, site breaking is totally eliminated.
- ◆ **Fast and convenient installation** : As the SFMC PVC-U SWR Pipes & Fittings are extremely light in weight and provided with special rubber jointing technique, installation will be easier. Jointing can be done within seconds with special rubber rings which eliminate leakages. Cleaning is also very easy.

# PLUMBING / ASTM LEAD FREE HIGH PRESSURE

## PVC-U Threaded Pipes

These pipes are manufacture as per ASTM D-1785 standard and fittings are made as per ASTM D-2466, which are available in SCH 40 & 80 pressure class. These pipes are generally used for plumbing, water supply and jet pumps. ASTM threaded pipes are 30-40% cheaper to G.I. pipes. These pipes are very easy to install and functionally most suitable for plumbing application like terrace looping, down-take and up-take lines in building industry.

Nominal Bore (inch)	Outside Diameter (D) (mm)	Schedule 40			Schedule 80		
		Wall thickness (t) (mm)	Working Pressure		Wall thickness (t)(mm)	Working Pressure	
			Mpa	psi		Mpa	psi
½	21.34 ± 0.10	2.77 + 0.51	2.07	300	3.73 + 0.51	2.90	420
¾	26.67 ± 0.10	2.87 + 0.51	1.65	240	3.91 + 0.51	2.34	340
1	33.40 ± 0.13	3.38 + 0.51	1.55	225	4.55 + 0.53	2.21	320
1¼	42.16 ± 0.13	3.56 + 0.51	1.27	185	4.85 + 0.58	2.79	260
1½	48.26 ± 0.15	3.68 + 0.51	1.17	165	5.08 + 0.61	1.65	240
2	60.32 ± 0.15	3.91 + 0.51	0.96	140	5.54 + 0.66	1.38	200
2½	75.20 ± 0.15	5.16 + 0.61	1.03	150	7.01 + 0.48	1.45	210
3	88.90 ± 0.20	5.49 + 0.66	0.89	130	7.69 + 0.91	1.31	190
4	114.30 ± 0.23	6.02 + 0.71	0.76	110	8.56 + 1.02	1.10	160
5	141.30 ± 0.25	6.55 + 0.79	0.65	90	9.52 + 1.04	0.97	120
6	168.28 ± 0.28	7.11 + 0.86	0.65	90	10.97 + 1.32	0.97	120

ASTM Pipes are produced strictly as per ASTM D 1785 and they offer the following advantages over conventional pipes like cement and cast pipes.

### FEATURES AND ADVANTAGES

- ASTM pipes are lighter in weight & easy for installation.
- Non-corrosive, Non-toxic & Chemical resistant in nature.
- Uniform pipe dimensions & threading with smooth inner diameter.
- ASTM pipe diameters are equivalent to G.I. pipe & fittings.
- Better resistance of water hammer & Surge pressure.
- ASTM pipes are good in strength and better in quality ensuring durability. These pipes are priced at affordable rates.

### SILENT FEATURES

- Safe for drinking water supply system.
- Light in weight, easy to handle and install.
- Rust and leak proof and have high resistance to heat, fire etc.
- Economical - compared to G.I. pipes and pipes of other companies.



### DIMENSIONS OF PLUMBING PIPES (AS PER IS : 4985 - 2021)

Nominal Bore	Tolerance on Outside Diameter	Class 1 2.5kgf/cm <sup>2</sup>		Class 2 4kgf/cm <sup>2</sup>		Class 3 6kgf/cm <sup>2</sup>		Class 4 8kgf/cm <sup>2</sup>		Class 5 10kgf/cm <sup>2</sup>		Class 6 12kgf/cm <sup>2</sup>		Plumbing Pipes	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	+ 0.3	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8	2.8	3.3
25	+ 0.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.7	2.1	2.9	3.4
32	+ 0.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7	3.4	3.9
40	+ 0.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3	3.6	4.2
50	+ 0.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	3.7	4.3

Through our innovative approach, we successfully meet the growing market demands by offering an extensive array of durable PVC-U Casing Pipes that are used for various underground applications. Developed using qualitative PVC compound, our leak proof Borewell Casing Pipes are known for their easy installation and anti corrosiveness. Offering precise dimensional tolerance, our casing pipes provide low friction and high flow characteristics. Being one of the leading Plastic Casing Pipes Exporters and Suppliers, we deliver these pipes in different sizes and dimensions in accordance with the standard norms as well as customized requirements of our clients.



### Application

Corrosion resistant PVC-U Casing Pipes for bore-well & tube-well. BSP Series sizes 1-1/2" to 10". Best suitable for shallow and medium bore. Generally resistant to most acids, bases, salts, aliphatic solutions, oxidants & halogens

### Scope

Outlined specification IS, DIN. This pipe is intended for use in applications where the fluid conveyed does not exceed 60°C.

### PVC MATERIALS

The material used in the manufacture of the pipe shall be domestically or imported from reputed manufacturer produced rigid polyvinyl chloride (PVC) compound, PVC Resin grade K-6701.

**DIMENSIONS** SFMC PVC-U Casing Pipes shall be manufactured in strict accordance to the requirements of IS: 12818-1992 or as per International standard for physical dimensions and tolerances. Each production run of pipe manufactured in compliance to this standard, shall also meet or exceed the test requirements for materials, workmanship, impact strength, specific gravity, tensile strength, vicat softening temperature test content as defined in IS: 12818-1992. Pipes thread and slot sizes which meet the dimensional requirements as defined in IS: 12818-1992 or as per international standard.

### Dimensions of SFMC PVC-U Casing Pipe - CM as per IS: 12818 - 2010 (Suitable for wells depth up to 250 meters)

Size in Inch	National Diameter (DN)	Outer Diameter of Pipe (MM)	Thickness of Pipe (MM)	Outer Dia Over Connection	Segmental Length (MM)	Pipe Length with Socket (MM)
1"	35	42.0 – 42.2	3.5 – 4.0	46	25	3.04
1.5"	40	48.0 – 48.2	3.5 – 4.0	52	25	3.04
2"	50	60.0 – 60.2	4.0 – 4.6	64	30	3.05
3"	80	88.0 – 88.2	4.0 – 4.6	94	40	3.06
4"	100	113.0 – 113.2	5.0 – 5.7	120	45	3.06
4.5" *	115	125.0 – 125.4	5.0 – 5.7	132	50	3.07
5"	125	140.0 – 140.4	6.5 – 7.3	150	60	3.08
6"	150	165.0 – 165.4	7.5 – 8.5	177	60	3.08
6.5"*	165	180.0 – 180.5	7.5 – 8.5	193	60	3.08
7"	175	200.0 – 200.5	8.8 – 9.8	215	60	3.09
8"	200	225.0 – 225.5	10.0 – 11.2	243	70	3.1
9"*	225	250.0 – 250.5	11.8 – 12.9	----	----	3.11
10"	250	280.0 – 280.5	12.5 – 14.0	298	85	3.11





## NON-PRESSURE DRAINAGE & SEWERAGE PIPES

SFMC DWC (Double Wall Corrugated) Pipes are manufactured using HDPE polymer. These pipes are resistant to various types of gases & chemicals which are generated due to purification of various ingredients flowing in the system. SFMC DWC Pipes are manufactured as per IS 16098 (Part-2), have a smooth internal surface and corrugated external surface. The corrugated external surface provides greater stiffness, withstands soil movement & takes higher loads (static & dynamic), whereas the internal surface helps in smooth flow of sewerage. SFMC DWC Pipes are available in SN 4 and SN 8 stiffness classes. These pipes have a standard length of 6 meter and are available with rubber ring jointing.



DWC PIPE CABLE DUCTS AND ELECTRICAL INSTALLATIONS IS 16205: Part 24 2017  
Technical Specification & Available Sizes.

Nominal Outer Dia (MM)	Minimum Inner Dia (MM)	Length
40/30	30	50, 100 & 200 Meter
50/38	37	50, 100 & 200 Meter
63/50	47	50, 100 & 200 Meter
75/61	56	50, 100 & 200 Meter
90/76	67	50 & 100 Meter
110/90	82	6 Meter
120/103.5	90	6 Meter
160/136	120	6 Meter
200/175	150	6 Meter
250/217	188	6 Meter
315/270	237	6 Meter

HDPE (High-Density Polyethylene) is Polymer used for Extrusion process of HDPE Pipes also termed as PE Pipes.

SFMC Pipes is committed to offer best in class pipes to the customers, as we use prime grade raw material for Production and pipes are duly tested in our laboratory on regular intervals.

HDPE Pipes are one of the most economical and durable option for industries such as Water Sewage, Gas Transportation, Water Supply, Drainage, Cable Laying, Irrigation, etc..

Pipes manufactured in our Production Facilities are in Compliance with Indian, American, British Standards and all necessary tests are performed accordingly before any dispatch schedule.

Pipes are available in standard length of 6 Meters and also available in coil.

## RANGE :

- Standards : ISO, DIN ASTM, ISI, BIS.
- Diameter : 20 mm - 710 mm (½" to 28")
- Pressure rating from : PN 2.5 to 16, SDR 6 to 41



HDPE Fitting

## DIFFERENT PIPES CATEGORY

- HDPE Pipes (IS: 14333:1996)
- HDPE Pipes (IS: 4984:2016)
- HDPE Pipes (IS: 14151)
- HDPE Pipes (ISO 4427 Pt-2)



HDPE Coil Pipe



HDPE Electro Fusion Fitting



## MDPE PIPES & FITTINGS

SFMC Medium Density Polyethylene Pipe (MDPE) is light weight, flexible and durable piping system which is manufactured within the world class Quality Management Systems as per ISO 9001:2008.

Usage : Potable Water Supply, House Service Connections & Functional House Hold Tap Connection (FHTC).

## BENEFITS :

- Light weight, Flexible and durable.
- Crack resistant.
- Robust construction with high impact strength.
- Suitable for cold and waste water distribution system.
- Low friction losses due to excellent smooth internal surface.
- Resistant to chemical reaction, bacterial growth, corrosion, rusting etc.



MDPE Pipes

PP Compression Fittings

Brass Ferrule Fitting

**SFMC HDPE PLB** Duct Pipes or High-Density Polyethylene Permanently Lubricated Ducts are the high flow capacity ducts, which offer a very high-quality option for the underground laying of optical fiber cable (OFC). These PLB HDPE Ducts are mainly used for the purpose of lying Optical Fiber Cable as underground conduits. The HDPE Telecom Ducts are manufactured with the high-density Polyethylene materials. The material, high density Polyethylene offers a great resistance against the heavy earth loads and is a great in offering the impact and crush resistance.

The PLB Duct is manufactured in various colors and sizes. The colors like Blue, Red, Green, Orange, Brown and Grey are some of the prominent colors widely used in the manufacturing of the PLB Duct. These HDPE Telecom Ducts come in various sizes like 32/26 mm, 40/33 mm, 50/42 mm. The Company is involved in the manufacturing of the products base on customers demand and thus offer a flexibility to the customers for the custom made products.



## UNDERGROUND DRAINAGE PIPES

SFMC solid wall pipes are available from 110 to 400 mm sizes in SN 2, SN 4 and SN 8 classes conforming to IS 15328.

### Benefits and Features

**Perfect hydraulic properties** - Mirror smooth inside surface of the pipes greatly reduce the possibility of a blockage and maximize flow characteristics. As a result, the carrying capacity of these pipes can be increased by 40% over concrete pipes.

**Great strength** - SFMC drainage pipes and fittings are sufficiently durable to meet site-loading requirements.

**Hygienic and safe** - Trouble-free performance of the joints without blockages and leakages ensures high standards of hygiene.

**Minimum excavation cost** - Because of the simple jointing technique, trench width can be kept to a minimum and a smoother bore of the pipe allows high flow rates at relatively flatter gradients.

**Longer life and the overall economy** - It is free from problems like corrosion



SFMC water tanks are specially designed with a smooth inner layer that resists growth of algae and bacteria. The one-piece, molded body has no joints and is absolutely maintenance free. Polyethylene granules used in the construction of the tanks ensure it is strong, durable and free from corrosion.

Designed for easy handling and mobility, it is lightweight and easy to install. A special, threaded cover ensures that the tank and its contents cannot be tampered with.

SFMC water tanks are adaptable to a variety of applications in household, water supply schemes, agricultural farms, chemical plants, defense, hospital, office, schools and colleges. Product Specification sheet for complete list of dimensions available to suit your space and needs.

## WATER TANKS

### ROTATIONAL MOULDING TECHNOLOGY :

These tanks have been manufacturing by rotational moulding process, which is best process for producing big size containers specially products with outdoor application. Rotation moulding is globally proven and approved technology for producing water storage tanks and even Bureau of Indian Standard specifies only rotational moulding for its specification IS : 12701 for manufacturing of plastics water storage tanks.

The rotational moulding manufacturing is seamless and stress free which gives stability and long life to tank while some other tanks have seam. These seam joints have residual stress, which can open up under hydrostatic pressure and environmental stress.



### FEATURES

#### LONG TERM LIFE

Tanks have very good long term impact strength

#### GOOD ESCR

Environmental Stress Crack Resistance

#### THREADED LID

Threaded lid is to prevent dust and mosquitoes from entering the tank hence provides cleaner water.

#### QUALITY ASSURANCE

The company assures, promises to replace or repair tank if any manufacturing defect found in tank.

**CAPACITY SPECIFICATIONS :** Pavitra by SFMC Water Tanks come in a wide range to cater your specific needs as per IS : 12701

CAPACITY LITERS	DIA IN MM	HEIGHT IN MM	MANHOLE IN MM
200	680	670	280
300	740	830	280
500	888	900	400
700	1020	1020	400
1000	1100	1200	400
1500	1360	1230	410
2000	1360	1670	450
2500	1510	1370	450
3000	1690	1630	450
5000	2120	1620	450
10000	2295	3070	450

### SFMC GROUP SALES OFFICE

1204. Pearls Omaxe Tower,  
Netaji Subhash Place, Pitam Pura,  
New Delhi - 110034  
Ph.: 9312272766

### BRANCH OFFICE

Gurugram, Haridwar, Dehradun,  
Sahibabad, Kanpur, Gwalior, Indore,  
Zirakpur, Pune, Bangalore, Hyderabad,  
Bhubneshwar, Kolkata, Jaipur, Patna,  
Guwahati, Emakulam, Trivendram.

### WORKS

Haridwar (Uttarakhand)  
Dehradun (Uttarakhand)  
Sitarganj (Uttarakhand)  
Sonipat (Haryana)  
Nepal

Website : [www.sfmc-india.com](http://www.sfmc-india.com)  
Email : [info@sfmc-india.com](mailto:info@sfmc-india.com)  
[enquiry@sfmc-india.com](mailto:enquiry@sfmc-india.com)

