

TECHNICAL SPECIFICATIONS FOR THE FRP/GRP PIPES & FITTINGS

1	Make	SATYAM
2	Manufacturing Process	Helical Filament Winding Process
3	Type of Pipes Ends	Socket & Spigot Type, Plain End Type, Flanged Type
4	Pipe Manufacturing Standard	IS 12709, IS 14402, AWWA M45, DIN, ASTM & etc.
5	Pipe Erection / Installation	Above Ground / Under Ground
6	Standard Sizes of the Pipes	100 mm to 1500 mm Diameter
7	Standard Length of the Pipes	3 Mtr / 6 Mtr / 9 Mtr / 12 Mtr 5.5 Mtr / 11.5 Mtr (For Export – Suitable to Containers)
8	Pressure Rating	PN 3, PN 6, PN 9, PN 12, PN 15
9	Stiffness Class	124 KPa, 248 KPa, 496 KPa
10	Minimum Hoop Tensile Strength In KN/MTR.	As Per Reference Standard
11	Minimum Longitudinal Tensile Strength In KN/MTR.	As Per Reference Standard
12	Veil Glass Type	"C" Glass Type OR "E" Glass Type
13	Glass Type For Liner	"E" Glass Type (CSM 225 g/m ² OR CSM 300 g/m ² OR CSM 450 g/m ²)
14	Glass Type For Structural	"E" Glass Type (Roving – 1200 / 2400 / 4800 Tex)
15	Resin Type	Unsaturated Polyester Resin with Pigment and U.V. Inhibitor.
16	Hydraulic Pressure Test	As Per Reference Standard
17	Pipe Accessories	Pipe Accessories / Specials / Fittings shall be of same materials of Pipes & it includes Flanges, Stub Ends with Loose Flange, Bends (Elbows), Tees, Reducers, and Cross etc. with minimum Bending Radius of 1D.