

**玻璃钢增强复合管 FIBERGLASS REINFORCED COMPOSITE PIPE**

增强复合管是一种多层结构管，采用防腐、耐热、抗摩擦、防渗漏的改性PVC作内衬；强度高、刚度好的热固性玻璃钢作中间结构层；抗冲击、耐老化的塑料作外保护层，经专门的工艺复合而成。管材的两端带有螺纹联接的金属接头和非金属接头，在外复合层间还可增加填充保温层。该管材综合了热塑性和热固材料的优良性能，能够代替钢管和部分代替不锈钢管作为一般介质和腐蚀介质的输送管道，可广泛用于石油、化工、供水、燃气等行业。

The fiberglass reinforced composite pipe has three layers in structure and is compounded through special process. The inner tube is made of modified PVC with corrosion proof, heat-resistance, anti-friction and watertight features. Thermoset fiberglass of high strength and good rigidity is wound and cured as intermediate layer. Outside plastic coating is extruded to resist impact and aging effects. Threaded metal and nonmetal connections are coupled on both ends. Optional foam jacket can be outfitted below the outer coating as insulation layer. The pipe combines benefits of thermoplastic and thermoset materials and is used as an alternative option to replace steel pipeline or partially replace stainless steel pipeline for normal and corrosive media transmission. It is now widely used in petroleum, chemical, engineering, water supply and gas industry.



**增强复合管规格参数 Specifications for Fiberglass Reinforced Composite Pipe**

公称内径 Nominal Dia. mm	内径及 偏差 ID and Tolerance mm	公称压力等级 Nominal Pressure MPa								
		1.6	2.5	4	6	8	16	20	25	32
		壁厚及偏差 Wall Thickness and Tolerance mm								
40	39 <sup>+0.2</sup> <sub>-0.6</sub>	4.5 ± 1	5.5 ± 1	5.5 ± 1	6.5 ± 1	7 ± 1	8.5 ± 1.5	10.5 ± 1.5	11.5 ± 1.5	14.5 ± 1.5
50	48 <sup>+0.6</sup> <sub>-0.2</sub>	5 ± 1	6 ± 1	6 ± 1	7 ± 1	7.5 ± 1	9.5 ± 1.5	11.5 ± 1.5	12.5 ± 1.5	15.5 ± 2
65	64 <sup>+0.8</sup> <sub>-0.2</sub>	5.5 ± 1	6.5 ± 1	6.5 ± 1	7 ± 1	7.5 ± 1	9.5 ± 1.5	11.5 ± 1.5	13.5 ± 1.5	16.5 ± 2
80	78 <sup>+0.8</sup> <sub>-0.2</sub>	6 ± 1	7 ± 1	7 ± 1	8 ± 1	9 ± 1.5	11 ± 1.5	14 ± 1.5	15 ± 2	18 ± 2
100	97 <sup>+1</sup> <sub>-0.2</sub>	6.5 ± 1	7.5 ± 1	8.5 ± 1.5	9.5 ± 1.5	10.5 ± 1.5	13.5 ± 1.5	15.5 ± 2	—	—
125	125 <sup>+1</sup> <sub>-0.5</sub>	7 ± 1	8 ± 1	9 ± 1.5	10 ± 1.5	11 ± 1.5	15 ± 1.5	—	—	—
150	148 <sup>+1</sup> <sub>-0.7</sub>	8 ± 1.5	9 ± 1.5	10 ± 1.5	11 ± 1.5	12 ± 1.5	16 ± 2	—	—	—
200	197 ± 1.2	8.5 ± 1.5	10.5 ± 1.5	12.5 ± 1.5	14.5 ± 1.5	15.5 ± 2	—	—	—	—
250	248 ± 1.5	8.5 ± 1.5	12.5 ± 1.5	14.5 ± 1.5	15.5 ± 2	—	—	—	—	—
300	300 <sup>+2</sup> <sub>-1.4</sub>	9.5 ± 1.5	13.5 ± 1.5	15.5 ± 2	17.5 ± 2	—	—	—	—	—
350	344 ± 2	10.5 ± 1.5	14.5 ± 1.5	16.5 ± 2	—	—	—	—	—	—
400	392 ± 2.4	11 ± 1.5	15 ± 2	17 ± 2	—	—	—	—	—	—