

SUPERSTRONG WATER BLOCKING FRP

TECHNICAL DATA SHEET

S. No.	PARAMFTERS	UNITS	SPECIFICATIONS	TEST MERHOD
1	Surface	-	Matt finish	Visually
2	Diameter of Rod	mm	d + 0.05, - 0.1	Micrometer
3	Ovality	%	□ 3.5% of diameter	Micrometer
4	Min. Bend Diameter @ 250 C	mm	i) □ 25D for □ 3.5mm FRP rod ii) □ 30D for > 3.5mm FRP rod	TEC 89010:2021 Section-II
5	Density	gm/cm3	1.9 to 2.2	ASTM D-792
6	Tensile Strength at break	Kg/mm2	□ 140	ASTM D 3916
7	Tensile Modulus	Kg/mm2	□ 5000	ASTM D 3916 / D 638
8	Flexural Strength	Kg/mm2	□ 70	ASTM D 790
9	Flexural Modulus	Kg/mm2	□ 5000	ASTM D 790/ D 3916
10	Elongation at break	%	2.5 - 4	ASTM D 3916
11	Water absorption	%	□ 2.0	By weight
12	Coating Type	-	Special Coating	-
13	Heat Stress @ 80oC for 24 Hours, 50xD	-	No decomposition or delamination	TEC 89010:2021 Section-II