

SUPERSTRONG STEEL CORE FRP

TECHNICAL DATA SHEET

S. No.	PARAMFTERS	UNITS	SPECIFICATIONS	TEST MERHOD
1	Appearance	-	Smooth, Free from harmful cracks	Visual
2	FRP Diameter (Uncoated Rod)	mm	For dia. $\square 2.0 + 0.07$ $>2.0 + 0.10$	ASTMD 4565
3	Diameter (Coated Rod)	mm	+0.10 / -0.05	Micrometer
4	EAA Coating thickness (As per Customer Requirement)	Microns	40 \pm 20	Micrometer
5	Steel Wire Diameter	mm	D \pm 0.10	ASTMD 4565
6	Ovality	mm	\square 0.05	ASTMD 4565
7	Min. Bending Radius at 25°C	mm	For dia. $\square 2.0\text{mm}$, 30 x D $> 2.0\text{mm}$, 50 x D	Mandrel Bend
8	Glass content	%	80 \pm 2.5	By Weight
9	Tensile Strength	Kg/mm ²	\square 130	ASTMD 3916
10	Tensile Modulus	Kg/mm ²	\square 5000	ASTMD 3916
11	Elongation at break	%	\square 2.5	ASTMD 3916
12	Heat Stress (Min. Bending Radius) at 85°C For 24 hours	mm	50 x Diameter of Rod	SFPL/QC/WI/03
13	Splice	None	0	-