

Our “high strength” GRP with a 0,50mm steel wire core and outer diameter up to 3,00mm => monthly capacity 3 000km

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MATERIAL SAFETY DATA SHEET

ISO 9001 CERTIFICATE

Steel Wire 0,5mm inserted GRP A mm Characteristics

ITEM	UNIT	SPECIFICATION	TEST METHOD
Appearance	Shall be Good	Good	–
Diameter Tolerance	mm	A ± 0.06	Micrometer
Specific Gravity	g/mm^2	2.0 ~ 2.2	ASTM D 792
Tensile Strength	Kg/mm^2	Min. 130	ASTM D 3916
Tensile Modulus	Kg/mm^2	Min. 5000	ASTM D 3916
Elongation at Break	%	Min 2.5	ASTM D 3916
Load at 0.5 Elongation	N	Min. 990	ASTM D 790
Load at 1.0 Elongation	N	Min. 1980	ASTM D 790
Coef. of Thermal Expansion	/℃	Nom. $6*10^{-6}$	–

ITEM	UNIT	SPECIFICATION	TEST METHOD
Minimum Bending Radius	mm	50 X Dia	80°C x 24h
Glass Content	%	Min. 67	–