



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

 [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 <sup>2</sup>	2.0 ~ 2.2	ASTM D 792
Tensile Strength	Kg/mm <sup>2</sup>	Min. 130	ASTM D 3916
Tensile Modulus	Kg/mm <sup>2</sup>	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	/°C	Nom. 6*10 <sup>-6</sup>	-

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