

**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

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# 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 | – |