

**Our “best seller” GRP used as central strength member or armouring with diameters from 0,40mm to 4,00mm at 0,10mm units and meter marking every 2 meters for diameters above 1,00mm => monthly capacity 50 000km**

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MATERIAL SAFETY DATA SHEET

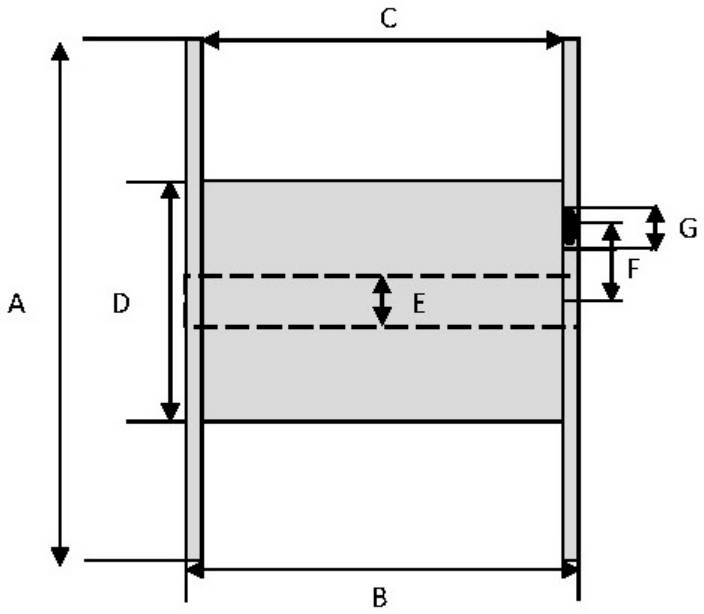
ISO 9001 CERTIFICATE

# Uncoated GRP Rods (0,4~4,0mm) Characteristics

| ITEM | UNIT | SPECIFICATION | TEST METHOD |
|---|---|---|---|
| Appearance | Shall be Good | Good | – |
| Diameter Tolerance | mm | dia. ± 0.05 | 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 |
| Flexural Strength | $Kg/mm^2$ | Min. 140 | ASTM D 790 |
| Flexural Modulus | $Kg/mm^2$ | Min. 5000 | ASTM D 790 |
| Coef. of Thermal Expansion | /°C | Nom. $7*10^{-6}$ | – |

| ITEM | UNIT | SPECIFICATION | TEST METHOD |
|---|---|---|---|
| Minimum Bending Radius | mm | 25 X Dia | – |
| Glass Content | % | Min. 80 | – |

# Drum Dimensions




(mm)

| GRP DIAMETER | A | B | C | D | E | F | G | LENGTH |
|---|---|---|---|---|---|---|---|---|
| 0.4~0.8 | 500 | 316 | 250 | 320 | 57 | 85 | 53 | 50 Km |
| 0.9~1.2 | 650 | 455 | 401 | 300 | 80 | 130 | 40 | 50 km |
| 1.3~1.7 | 800 | 560 | 494 | 400 | 80 | 160 | 40 | 50 km |
| 1.8~2.0 | 900 | 560 | 494 | 400 | 80 | 160 | 40 | 50 km |
| 2.1~2.2 | 1000 | 480 | 560 | 400 | 80 | 160 | 40 | 50 km |
| 2.3~4.0 | 1100 | 560 | 480 | 400 | 80 | 160 | 40 | 50 km* |

*Length :

GRP Dia 2.7~3.0mm_37.8 Km

GRP Dia 3.1~3.7mm_25.6 Km

GRP Dia 3.8~4.0mm_15.0 Km