



**Product Data Sheet &
General Processing Conditions**

**RTP 1501-40D
Polyether-Ester Block Copolymer
(TEEE/COPE)
Glass Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

| PERMANENCE | English | SI Metric | ASTM TEST |
|--|----------------------------|------------------|------------------|
| Primary Additive | 10 % | 10 % | |
| Specific Gravity | 1.22 | 1.22 | D 792 |
| Molding Shrinkage 1/8 in (3.2 mm) section | 0.0020 - 0.0030 in/in | 0.20 - 0.30 % | D 955 |
| MECHANICAL | | | |
| Impact Strength, Izod notched 1/8 in (3.2 mm) section | 8.5 ft-lbs/in | 454 J/m | D 256 |
| unnotched 1/8 in (3.2 mm) section | 10.0 ft-lbs/in | 534 J/m | D 4812 |
| Tensile Strength Break | 2400 psi | 17 MPa | D 638 |
| Tensile Elongation Break | 300.0 % | 300.0 % | D 638 |
| Tensile Modulus | 0.05 x 10 ⁶ psi | 345 MPa | D 638 |
| Flexural Strength | 1600 psi | 11 MPa | D 790 |
| Flexural Modulus | 50000 psi | 344.7 MPa | D 790 |
| Hardness Shore D, instantaneous | 45 | 45 | D 2240 |

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING FOR INJECTION MOLDING

| | English | SI Metric |
|--------------------|--------------------|-------------------|
| Injection Pressure | 10000 - 15000 psi | 69 - 103 MPa |
| Melt Temperature | 410 - 460 °F | 210 - 238 °C |
| Mold Temperature | 70 - 120 °F | 21 - 49 °C |
| Drying | 2 - 4 hrs @ 200 °F | 2 - 4 hrs @ 93 °C |

PROCESSING NOTES

Desiccant Type Dryer Required.