



**Product Data Sheet &
General Processing Conditions**

**RTP 1503-72D
Polyether-Ester Block Copolymer
(TEEE/COPE)
Glass Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

| PERMANENCE | English | SI Metric | ASTM TEST |
|--|-----------------------|------------------|------------------|
| Primary Additive | 20 % | 20 % | |
| Specific Gravity | 1.40 | 1.40 | D 792 |
| Molding Shrinkage 1/8 in (3.2 mm) section | 0.0035 - 0.0045 in/in | 0.35 - 0.45 % | D 955 |

MECHANICAL

| | | | |
|--|----------------------------|----------|--------|
| Impact Strength, Izod notched 1/8 in (3.2 mm) section | 2.6 ft-lbs/in | 139 J/m | D 256 |
| unnotched 1/8 in (3.2 mm) section | 15.9 ft-lbs/in | 849 J/m | D 4812 |
| Tensile Strength | 8350 psi | 58 MPa | D 638 |
| Tensile Elongation | 7.3 % | 7.3 % | D 638 |
| Tensile Modulus | 0.48 x 10 ⁶ psi | 3310 MPa | D 638 |
| Flexural Strength | 11000 psi | 76 MPa | D 790 |
| Flexural Modulus | 0.37 x 10 ⁶ psi | 2551 MPa | D 790 |

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 | 425 - 475 °F | 218 - 246 °C |
| Mold Temperature | 70 - 100 °F | 21 - 38 °C |
| Drying | 2 - 4 hrs @ 225 °F | 2 - 4 hrs @ 107 °C |
| Moisture Content | < 0.10 % | < 0.10 % |

PROCESSING NOTES

Desiccant Type Dryer Required.