



**Product Data Sheet &  
General Processing Conditions**

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

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
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 <sup>6</sup> 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**

	<b>English</b>	<b>SI Metric</b>
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.