



**Product Data Sheet &  
General Processing Conditions**

**RTP 1507-40D  
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	40 %	40 %	
Specific Gravity	1.47	1.47	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0011 - 0.0015 in/in	0.11 - 0.15 %	D 955
<b>MECHANICAL</b>			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	7.7 ft-lbs/in	411 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	4450 psi	31 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.19 x 10 <sup>6</sup> psi	1310 MPa	D 638
Flexural Strength	4750 psi	33 MPa	D 790
Flexural Modulus	0.17 x 10 <sup>6</sup> psi	1172 MPa	D 790
Hardness Shore D, instantaneous	57	57	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 - 100 °F	21 - 38 °C
Drying	2 - 4 hrs @ 220 °F	2 - 4 hrs @ 104 °C
Moisture Content	< 0.10 %	< 0.10 %

**PROCESSING NOTES**

Desiccant Type Dryer Required.