



**Product Data Sheet &  
General Processing Conditions**

**RTP 1503-72D  
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	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 <sup>6</sup> psi	3310 MPa	D 638
Flexural Strength	11000 psi	76 MPa	D 790
Flexural Modulus	0.37 x 10 <sup>6</sup> 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**

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