



**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.

21 Mar 2005 RLR

This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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