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Ponciplastics.com



**Product Data Sheet &  
General Processing Conditions**

**RTP 303 TFE 10  
Polycarbonate (PC)  
Glass Fiber  
PTFE Lubricated**

**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	0.0015 - 0.0035 in/in	0.15 - 0.35 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.4 ft-lbs/in	128 J/m	D 256
unnotched 1/8 in (3.2 mm) section	12.0 ft-lbs/in	641 J/m	D 4812
Tensile Strength	13000 psi	90 MPa	D 638
Tensile Elongation	2.5 - 4.0 %	2.5 - 4.0 %	D 638
Tensile Modulus	0.90 x 10 <sup>6</sup> psi	6206 MPa	D 638
Flexural Strength	21500 psi	148 MPa	D 790
Flexural Modulus	0.85 x 10 <sup>6</sup> psi	5861 MPa	D 790

**ELECTRICAL**

Volume Resistivity	1E14 - 1E16 ohm.cm	1E14 - 1E16 ohm.cm	D 257
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**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	300 °F	149 °C	D 648
Ignition Resistance* Flammability**	V-1 @ 1/8 in	V-1 @ 3.0 mm	D 3801

**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.

\* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

\*\* Values per RTP Company testing.

**GENERAL PROCESSING FOR INJECTION MOLDING**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	550 - 600 °F	288 - 316 °C
Mold Temperature	180 - 250 °F	82 - 121 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.