



**Product Data Sheet &  
General Processing Conditions**

**RTP 2099 X 134503 A  
Polycarbonate/Polyester (PC/PBT)  
Glass Fiber  
Flame Retardant  
High Flow**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.62	1.62	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0005 - 0.0015 in/in	0.05 - 0.15 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	3.5 ft-lbs/in	187 J/m	D 256
unnotched 1/8 in (3.2 mm) section	15.0 ft-lbs/in	801 J/m	D 4812
Tensile Strength	21500 psi	148 MPa	D 638
Tensile Elongation	2.0 %	2.0 %	D 638
Tensile Modulus	1.90 x 10 <sup>6</sup> psi	13100 MPa	D 638
Flexural Strength	33000 psi	228 MPa	D 790
Flexural Modulus	1.80 x 10 <sup>6</sup> psi	12411 MPa	D 790

**ELECTRICAL**

Dielectric Constant, 1 MHz, Dry	3.4	3.4	D 150
Dissipation Factor, 1 MHz, Dry	0.0030	0.0030	D 150

**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	300 °F	149 °C	D 648
Ignition Resistance*			
Flammability**	V-0 @ 0.040 in	V-0 @ 1.0 mm	D 3801
Flammability**	5VA @ 1/8 in	5VA @ 3.0 mm	D 5048

**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	530 - 600 °F	277 - 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	-30 °F	-34 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.