



**Product Data Sheet &  
General Processing Conditions**

**RTP 103 CC  
Polypropylene (PP)  
Glass Fiber  
Chemically Coupled**

**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	1.04	1.04	D 792
Melt Flow Rate			
@ 230 °C, / 2.16 kg	3.50 g/10 min	3.50 g/10 min	D 1238
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0020 - 0.0050 in/in	0.20 - 0.50 %	D 955

**MECHANICAL**

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	1.8 ft-lbs/in	93 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.5 ft-lbs/in	561 J/m	D 4812
Tensile Strength	8500 psi	59 MPa	D 638
Tensile Elongation	6.0 - 7.0 %	6.0 - 7.0 %	D 638
Tensile Modulus	0.55 x 10 <sup>6</sup> psi	3792 MPa	D 638
Flexural Strength	12500 psi	86 MPa	D 790
Flexural Modulus	0.45 x 10 <sup>6</sup> psi	3103 MPa	D 790

**ELECTRICAL**

Dielectric Constant, 1 MHz, Dry	2.4	2.4	D 150
Dissipation Factor, 1 MHz, Dry	< 0.0020	< 0.0020	D 150

**THERMAL**

Deflection Temperature			
@ 264 psi (1820 kPa)	265 °F	129 °C	D 648
@ 66 psi (455 kPa)	305 °F	152 °C	D 648
Ignition Resistance*			
Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

**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	375 - 450 °F	191 - 232 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	< 0.20 %	< 0.20 %