



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 70836 B  
Polypropylene (PP)  
Long 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	50 %	50 %	
Specific Gravity	1.33	1.33	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0010 - 0.0030 in/in	0.10 - 0.30 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	7.0 ft-lbs/in	374 J/m	D 256
Tensile Strength	20300 psi	140 MPa	D 638
Tensile Elongation	1.5 - 2.5 %	1.5 - 2.5 %	D 638
Tensile Modulus	1.74 x 10 <sup>6</sup> psi	11997 MPa	D 638
Flexural Strength	31900 psi	220 MPa	D 790
Flexural Modulus	1.52 x 10 <sup>6</sup> psi	10480 MPa	D 790

**ELECTRICAL**

Dielectric Constant, 1 MHz, Dry	2.8	2.8	D 150
Dissipation Factor, 1 MHz, Dry	0.0044	0.0044	D 150

**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	310 °F	154 °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	440 - 500 °F	227 - 260 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C