




**Product Data Sheet &  
General Processing Conditions**

**RTP 140 HB  
Polypropylene (PP)  
Calcium Carbonate  
UL94 HB**



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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	40 %	40 %	
Specific Gravity	1.22	1.22	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0110 - 0.0150 in/in	1.10 - 1.50 %	D 955
Water Absorption, 24 hrs @ 23°C	0.030 %	0.030 %	D 570

**MECHANICAL**

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	0.6 ft-lbs/in	32 J/m	D 256
unnotched 1/8 in (3.2 mm) section	29.0 ft-lbs/in	1548 J/m	D 4812
Tensile Strength	3300 psi	23 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.40 x 10 <sup>6</sup> psi	2758 MPa	D 638
Flexural Strength	6500 psi	45 MPa	D 790
Flexural Modulus	0.35 x 10 <sup>6</sup> psi	2413 MPa	D 790

**ELECTRICAL**

Volume Resistivity	> 1E15 ohm.cm	> 1E15 ohm.cm	D 257
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**THERMAL**

Deflection Temperature			
@ 264 psi (1820 kPa)	155 °F	68 °C	D 648
Ignition Resistance*			
Flammability	HB @ 1/16 in	HB @ 1.5 mm	UL94

**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.

**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