



**Product Data Sheet &  
General Processing Conditions**

**RTP 3000  
Polymethylpentene (PMP)  
Base Resin**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	0.84	0.84	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0200 - 0.0300 in/in	2.00 - 3.00 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.5 ft-lbs/in	27 J/m	D 256
unnotched 1/8 in (3.2 mm) section	1.0 ft-lbs/in	53 J/m	D 4812
Tensile Strength	3500 psi	24 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.22 x 10 <sup>6</sup> psi	1517 MPa	D 638
Flexural Strength	5200 psi	36 MPa	D 790
Flexural Modulus	0.17 x 10 <sup>6</sup> psi	1172 MPa	D 790

**THERMAL**

Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635
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**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	510 - 580 °F	266 - 304 °C
Mold Temperature	150 - 200 °F	66 - 93 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C