



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 102002  
Polypropylene (PP)  
Glass Bubbles**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	0.77	0.77	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0080 - 0.0100 in/in	0.80 - 1.00 %	D 955
Water Absorption, 24 hrs @ 23°C	0.040 %	0.040 %	D 570

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.8 ft-lbs/in	43 J/m	D 256
unnotched 1/8 in (3.2 mm) section	7.0 ft-lbs/in	374 J/m	D 4812
Tensile Strength	900 psi	6 MPa	D 638
Tensile Elongation	2.0 - 4.0 %	2.0 - 4.0 %	D 638
Tensile Modulus	0.28 x 10 <sup>6</sup> psi	1931 MPa	D 638
Flexural Strength	1500 psi	10 MPa	D 790
Flexural Modulus	0.22 x 10 <sup>6</sup> psi	1517 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	9000 - 14000 psi	62 - 97 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