

(+) 18816996168

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**Product Data Sheet &
General Processing Conditions**

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

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
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 ⁶ psi	1931 MPa	D 638
Flexural Strength	1500 psi	10 MPa	D 790
Flexural Modulus	0.22 x 10 ⁶ psi	1517 MPa	D 790

THERMAL

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

	English	SI Metric
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