



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 12408  
Polypropylene (PP)  
Flame Retardant**

**UV Stabilizer**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.05	1.05	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0140 - 0.0200 in/in	1.40 - 2.00 %	D 955
<b>MECHANICAL</b>			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.2 ft-lbs/in	117 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	3300 psi	23 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.13 x 10 <sup>6</sup> psi	896 MPa	D 638
Flexural Strength	4400 psi	30 MPa	D 790
Flexural Modulus	0.15 x 10 <sup>6</sup> psi	1034 MPa	D 790

**THERMAL**

Ignition Resistance*			
Flammability	V-0 @ 1/32 in	V-0 @ 0.8 mm	UL94
Flammability	V-0 @ 1/8 in	V-0 3.0 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.  
 \*\* 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	375 - 450 °F	191 - 232 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C