




**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 106955
Polypropylene (PP)
Medium Impact
Medium Flow
Flame Retardant
UL94 V-2**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	0.92	0.92	D 792
Melt Flow Rate @ 230 °C, / 2.16 kg	7.00 - 8.00 g/10 min	7.00 - 8.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0180 - 0.0220 in/in	1.80 - 2.20 %	D 955
Water Absorption, 24 hrs @ 23°C	0.010 %	0.010 %	D 570
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	4.0 ft-lbs/in	214 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	3000 psi	21 MPa	D 638
Tensile Elongation Break	> 100.0 %	> 100.0 %	D 638
Tensile Modulus	0.17 x 10 ⁶ psi	1172 MPa	D 638
Flexural Strength	4400 psi	30 MPa	D 790
Flexural Modulus	0.15 x 10 ⁶ psi	1034 MPa	D 790
ELECTRICAL			
Volume Resistivity	> 1E15 ohm.cm	> 1E15 ohm.cm	D 257
THERMAL			
Deflection Temperature @ 264 psi (1820 kPa)	120 °F	49 °C	D 648
@ 66 psi (455 kPa)	175 °F	79 °C	D 648
Ignition Resistance* Flammability	V-2 @ 1/32 in	V-2 @ 0.8 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

	English	SI Metric
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