




**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 141685 A
Polypropylene (PP)
Flame Retardant
High Impact**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.03	1.03	D 792
Melt Flow Rate @ 230 °C, / 2.16 kg	6.00 - 8.00 g/10 min	6.00 - 8.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0140 - 0.0200 in/in	1.40 - 2.00 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	12.0 ft-lbs/in	641 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	2500 psi	17 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.12 x 10 ⁶ psi	827 MPa	D 638
Flexural Strength	3750 psi	26 MPa	D 790
Flexural Modulus	0.14 x 10 ⁶ psi	965 MPa	D 790

THERMAL

Ignition Resistance* Flammability	V-0 @ 1/16 in	V-0 @ 1.5 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	360 - 420 °F	182 - 216 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C