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Ponciplastics.com



Product Data Sheet & General Processing Conditions

RTP 199 X 144451
Polypropylene (PP)
Glass Fiber
Chemically Coupled
Flame Retardant
Non-PBB/PBDE
UV Stabilized



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.47	1.47	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0010 - 0.0025 in/in	0.10 - 0.25 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.0 ft-lbs/in	107 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.0 ft-lbs/in	534 J/m	D 4812
Tensile Strength	11000 psi	76 MPa	D 638
Tensile Elongation	3.0 - 4.0 %	3.0 - 4.0 %	D 638
Tensile Modulus	1.00 x 10 ⁶ psi	6895 MPa	D 638
Flexural Strength	17500 psi	121 MPa	D 790
Flexural Modulus	0.88 x 10 ⁶ psi	6068 MPa	D 790

THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	300 °F	149 °C	D 648
@ 66 psi (455 kPa)	315 °F	157 °C	D 648
Ignition Resistance* Flammability	V-0 @ 1/32 in	V-0 @ 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