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Product Data Sheet & General Processing Conditions

RTP 199 X 130371 SP Black Polypropylene (PP) Value Product Impact Modified

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	20.00 g/10 min	20.00 g/10 min	D 1238
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0100 - 0.0160 in/in	1.00 - 1.60 %	D 955

MECHANICAL

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	1.8 ft-lbs/in	96 J/m	D 256
unnotched 1/8 in (3.2 mm) section	23.0 ft-lbs/in	1228 J/m	D 4812
Tensile Strength	3500 psi	24 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.20 x 10 ⁶ psi	1379 MPa	D 638
Flexural Strength	4500 psi	31 MPa	D 790
Flexural Modulus	0.17 x 10 ⁶ psi	1172 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	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