



**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 91020 A Z
Polypropylene (PP)
Thermally Conductive
Electrically Insulative
FDA Compliant Ingredients**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	2.00	2.00	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0080 in/in	0.80 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.4 ft-lbs/in	21 J/m	D 256
unnotched 1/8 in (3.2 mm) section	1.9 ft-lbs/in	101 J/m	D 4812
Tensile Strength	3200 psi	22 MPa	D 638
Tensile Elongation	2.5 %	2.5 %	D 638
Tensile Modulus	0.95 x 10 ⁶ psi	6550 MPa	D 638
Flexural Strength	6500 psi	45 MPa	D 790
Flexural Modulus	0.70 x 10 ⁶ psi	4826 MPa	D 790

ELECTRICAL

Volume Resistivity	> 1E12 ohm.cm	> 1E12 ohm.cm	D 257
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THERMAL

Thermal Conductivity Through-plane	4.16 (BTU.in)/(hr.ft ² .°F)	0.60 W/(m.K)	E 1530
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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.

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