



**Product Data Sheet &
General Processing Conditions**

**RTP 200 SE
Nylon 6/6 (PA)
Self Extinguishing
UL94
All Colors**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.15	1.15	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 - 0.0160 in/in	1.20 - 1.60 %	D 955
Water Absorption, 24 hrs @ 23°C	1.500 %	1.500 %	D 570

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.8 ft-lbs/in	43 J/m	D 256
unnotched 1/8 in (3.2 mm) section	25.0 ft-lbs/in	1335 J/m	D 4812
Tensile Strength	13000 psi	90 MPa	D 638
Tensile Elongation	6.0 - 8.0 %	6.0 - 8.0 %	D 638
Tensile Modulus	0.55 x 10 ⁶ psi	3792 MPa	D 638
Flexural Strength	19000 psi	131 MPa	D 790
Flexural Modulus	0.65 x 10 ⁶ psi	4482 MPa	D 790
Hardness Rockwell, R	120	120	D 785

ELECTRICAL

Volume Resistivity	> 1E15 ohm.cm	> 1E15 ohm.cm	D 257
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THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	160 °F	71 °C	D 648
@ 66 psi (455 kPa)	410 °F	210 °C	D 648
Ignition Resistance* Flammability	V-2 @ 1/32 in	V-2 @ 0.8 mm	UL94
Limiting Oxygen Index	28.0 %	28.00 %	D 2863

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 - 18000 psi	69 - 124 MPa
Melt Temperature	530 - 570 °F	277 - 299 °C
Mold Temperature	150 - 225 °F	66 - 107 °C
Drying	4 hrs @ 175 °F	4 hrs @ 79 °C
Moisture Content	0.20 %	0.20 %
Dew Point	0 °F	-18 °C