



**Product Data Sheet &
General Processing Conditions**

**RTP 399 X 115087 G
Polycarbonate (PC)
Glass Fiber
Carbon Nanotube
ESD Protection**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	25 %	25 %	
Specific Gravity	1.38	1.38	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0010 - 0.0020 in/in	0.10 - 0.20 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.5 ft-lbs/in	80 J/m	D 256
unnotched 1/8 in (3.2 mm) section	12.0 ft-lbs/in	641 J/m	D 4812
Tensile Strength	16000 psi	110 MPa	D 638
Tensile Elongation	2.2 %	2.2 %	D 638
Tensile Modulus	1.10 x 10 ⁶ psi	7584 MPa	D 638
Flexural Strength	27000 psi	186 MPa	D 790
Flexural Modulus	1.10 x 10 ⁶ psi	7584 MPa	D 790

ELECTRICAL

Volume Resistivity	1E2 - 1E4 ohm.cm	1E2 - 1E4 ohm.cm	D 257
Surface Resistivity	1E3 - 1E7 ohm/sq	1E3 - 1E7 ohm/sq	D 257
Surface Resistance	1E2 - 1E6 ohm	1E2 - 1E6 ohm	ESD STM11.11
Static Decay	< 2.00 s	< 2.00 s	FTMS101C 4046.1

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	550 - 600 °F	288 - 316 °C
Mold Temperature	180 - 250 °F	82 - 121 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C

PROCESSING NOTES

Desiccant Type Dryer Required.