



**Product Data Sheet &
General Processing Conditions**

**RTP 399 X 115084 D
Polycarbonate (PC)
Carbon Nanotube
ESD Protection
PTFE Lubricated**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.24	1.24	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0030 - 0.0060 in/in	0.30 - 0.60 %	D 955

MECHANICAL

Tensile Strength	9300 psi	64 MPa	D 638
Tensile Elongation	5.0 - 10.0 %	5.0 - 10.0 %	D 638
Tensile Modulus	0.38 x 10 ⁶ psi	2620 MPa	D 638
Flexural Strength	15000 psi	103 MPa	D 790
Flexural Modulus	0.43 x 10 ⁶ psi	2965 MPa	D 790

ELECTRICAL

Volume Resistivity	1E2 - 9.99E8 ohm.cm	1E2 - 9.99E8 ohm.cm	D 257
Surface Resistivity	1E3 - 9.99E9 ohm/sq	1E3 - 9.99E9 ohm/sq	D 257
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.