



**Product Data Sheet &
General Processing Conditions**

**RTP 661
Acrylonitrile Butadiene Styrene
(ABS)
Stainless Steel Fiber
EMI/RFI/ESD Protection**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	10 %	10 %	
Specific Gravity	1.13	1.13	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0050 - 0.0080 in/in	0.50 - 0.80 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.0 ft-lbs/in	53 J/m	D 256
unnotched 1/8 in (3.2 mm) section	5.0 ft-lbs/in	267 J/m	D 4812
Tensile Strength	5000 psi	34 MPa	D 638
Tensile Elongation	6.0 - 8.0 %	6.0 - 8.0 %	D 638
Tensile Modulus	0.35 x 10 ⁶ psi	2413 MPa	D 638
Flexural Strength	9000 psi	62 MPa	D 790
Flexural Modulus	0.30 x 10 ⁶ psi	2068 MPa	D 790

ELECTRICAL

Volume Resistivity	1E1 - 1E4 ohm.cm	1E1 - 1E4 ohm.cm	D 257
Surface Resistivity	1E3 - 1E6 ohm/sq	1E3 - 1E6 ohm/sq	D 257
Surface Resistance	1E2 - 1E5 ohm	1E2 - 1E5 ohm	ESD STM11.11

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	400 - 460 °F	204 - 238 °C
Mold Temperature	145 - 185 °F	63 - 85 °C
Drying	2 hrs @ 180 °F	2 hrs @ 82 °C
Moisture Content	0.10 %	0.10 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Remove hopper magnets.

Desiccant Type Dryer Required.