



**Product Data Sheet &
General Processing Conditions**

**EMI 162
Polypropylene (PP)
Stainless Steel Fiber
Electrically Conductive
EMI/RFI/ESD Protection**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	15 %	15 %	
Specific Gravity	1.04	1.04	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0250 in/in	1.50 - 2.50 %	D 955

MECHANICAL

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	5.0 ft-lbs/in	267 J/m	D 256
unnotched 1/8 in (3.2 mm) section	15.0 ft-lbs/in	801 J/m	D 4812
Tensile Strength	3200 psi	22 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.22 x 10 ⁶ psi	1517 MPa	D 638
Flexural Strength	4200 psi	29 MPa	D 790
Flexural Modulus	0.20 x 10 ⁶ psi	1379 MPa	D 790

ELECTRICAL

Volume Resistivity	1E-2 - 1E0 ohm.cm	1E-2 - 1E0 ohm.cm	D 257
Surface Resistivity	1E2 - 1E4 ohm/sq	1E2 - 1E4 ohm/sq	D 257
Surface Resistance	1E1 - 1E3 ohm	1E1 - 1E3 ohm	ESD STM11.11
Static Decay			
MIL-PRF-81705D, 5kV to 50 V, 12% RH	< 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	380 - 430 °F	193 - 221 °C
Mold Temperature	100 - 125 °F	38 - 52 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	0.10 %	0.10 %