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**Product Data Sheet &
General Processing Conditions**

**EMI 861
Acetal (POM)
EMI/RFI Shielding
Stainless Steel Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.48	1.48	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0100 - 0.0300 in/in	1.00 - 3.00 %	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	15.0 ft-lbs/in	801 J/m	D 4812
Tensile Strength	8000 psi	55 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.40×10^6 psi	2758 MPa	D 638
Flexural Strength	12000 psi	83 MPa	D 790
Flexural Modulus	0.40×10^6 psi	2758 MPa	D 790

ELECTRICAL

Volume Resistivity	< 1E-1 ohm.cm	< 1E-1 ohm.cm	D 257
Surface Resistivity	< 1E2 ohm/sq	< 1E2 ohm/sq	D 257

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	360 - 425 °F	182 - 218 °C
Mold Temperature	180 - 225 °F	82 - 107 °C
Drying	2 hrs @ 140 - 175 °F	2 hrs @ 60 - 79 °C
Moisture Content	0.15 %	0.15 %
Dew Point	-20 °F	-29 °C