



**Product Data Sheet &  
General Processing Conditions**

**EMI 362  
Polycarbonate (PC)  
Stainless Steel Fiber  
Electrically Conductive  
EMI/RFI Shielding**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	15 %	15 %	
Specific Gravity	1.35	1.35	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0050 - 0.0060 in/in	0.50 - 0.60 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.3 ft-lbs/in	69 J/m	D 256
unnotched 1/8 in (3.2 mm) section	20.0 ft-lbs/in	1068 J/m	D 4812
Tensile Strength	9500 psi	66 MPa	D 638
Tensile Elongation	5.0 - 8.0 %	5.0 - 8.0 %	D 638
Tensile Modulus	0.41 x 10 <sup>6</sup> psi	2827 MPa	D 638
Flexural Strength	15500 psi	107 MPa	D 790
Flexural Modulus	0.41 x 10 <sup>6</sup> psi	2827 MPa	D 790

**ELECTRICAL**

Volume Resistivity	< 1 ohm.cm	< 1 ohm.cm	D 257
Surface Resistivity	< 1E4 ohm/sq	< 1E4 ohm/sq	D 257
Surface Resistance	< 1E3 ohm	< 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

**EMI**

Shielding Effectiveness @ 2 mm thickness	65 dB @ 300 MHz	65 dB @ 300 MHz	D 4935
Shielding Effectiveness @ 2 mm thickness	66 dB @ 500 MHz	66 dB @ 500 MHz	D 4935
Shielding Effectiveness @ 2 mm thickness	69 dB @ 700 MHz	69 dB @ 700 MHz	D 4935
Shielding Effectiveness @ 2 mm thickness	73 dB @ 1000 MHz	73 dB @ 1000 MHz	D 4935
Shielding Effectiveness @ 2 mm thickness	76 dB @ 1300 MHz	76 dB @ 1300 MHz	D 4935
Shielding Effectiveness @ 2 mm thickness	78 dB @ 1500 MHz	78 dB @ 1500 MHz	D 4935

**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**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	530 - 580 °F	277 - 304 °C
Mold Temperature	160 - 250 °F	71 - 121 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C