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Product Data Sheet &
General Processing Conditions

EMI 2862-60A
Value-added Thermoplastic Polyolefin Elastomer (TEO)
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	1.07	1.07	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0050 - 0.0100 in/in	0.50 - 1.00 %	D 955
MECHANICAL			
Tensile Strength			
Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	320 psi	2 MPa	D 412
Tensile Elongation			
Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	40.0 %	40.0 %	D 412
Tear Strength, Die C	100.0 pli	17.5 N/mm	D 624
Hardness			
Shore A, 10 s delay	60	60	D 2240
ELECTRICAL			
Volume Resistivity	< 1 ohm.cm	< 1 ohm.cm	D 257
Surface Resistivity	< 1E4 ohm/sq	< 1E4 ohm/sq	D 257 ESD STM11.11
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

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	12000 - 18000 psi	83 - 124 MPa
Melt Temperature	360 - 410 °F	182 - 210 °C
Mold Temperature	60 - 150 °F	16 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	0.03 %	0.03 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Use a reverse barrel profile. Remove hopper magnets. Allow 4 - 5 shots to properly disperse the conductive fibers. The surface finish should have a silver streaking appearance, not clumps.
Remove hopper magnets.