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Product Data Sheet &
General Processing Conditions

EMI 261 H
Impact-Modified Nylon 6/6 (PA)
Stainless Steel Fiber
Electrically Conductive
EMI/RFI/ESD Protection

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	10 %	10 %	
Specific Gravity	1.18	1.18	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0170 - 0.0240 in/in	1.70 - 2.40 %	D 955
MECHANICAL			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	3.0 ft-lbs/in	160 J/m	D 256
unnotched 1/8 in (3.2 mm) section	20.0 ft-lbs/in	1068 J/m	D 4812
Tensile Strength	8000 psi	55 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.35 x 10^6 psi	2413 MPa	D 638
Flexural Strength	11000 psi	76 MPa	D 790
Flexural Modulus	0.35 x 10^6 psi	2413 MPa	D 790
ELECTRICAL			
Volume Resistivity	< 10 ohm.cm	< 10 ohm.cm	D 257
Surface Resistivity	1E4 - 1E6 ohm/sq	1E4 - 1E6 ohm/sq	D 257
Surface Resistance	1E3 - 1E5 ohm	1E3 - 1E5 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	485 - 560 °F	252 - 293 °C
Mold Temperature	175 - 210 °F	79 - 99 °C
Drying	4 hrs @ 175 °F	4 hrs @ 79 °C
Moisture Content	0.20 %	0.20 %

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.
Desiccant Type Dryer Required.