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**Product Data Sheet &
General Processing Conditions**

**EMI 1262 T-80A
Ether-based Thermoplastic Polyurethane Elastomer (TPUR/TPU)
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	0.0100 in/in	1.00 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.0 ft-lbs/in	107 J/m	D 256
unnotched 1/8 in (3.2 mm) section	2.0 ft-lbs/in	107 J/m	D 4812
Tensile Strength	900 psi	6 MPa	D 638
Tensile Elongation	500.0 %	500.0 %	D 412
Hardness Shore A, 10 s delay	80	80	D 2240

ELECTRICAL

Volume Resistivity	1E1 - 1E2 ohm.cm	1E1 - 1E2 ohm.cm	D 257
Surface Resistivity	1E3 - 1E4 ohm/sq	1E3 - 1E4 ohm/sq	D 257
			ESD STM11.11

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	365 - 425 °F	185 - 218 °C
Mold Temperature	100 - 140 °F	38 - 60 °C
Drying	6 hrs @ 225 °F	6 hrs @ 107 °C
Moisture Content	0.01 %	0.01 %
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.
Desiccant Type Dryer Required.