

Elastever® E1110SF EMI-65D

Material Description:

Elastever® E1110SF EMI-65D is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 10% stainless steel fiber.Characteristics include:EMI/RFI Shielding.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Stainless Steel Fiber, 10% Filler by Weight
	• Electromagnetic Shielding (EMI)
Features	• Radio Frequency Shielding (RFI)
	• Cold Resistant
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.27	g/cm ³	ASTM D792

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Strength	43	MPa	ASTM D638
Tensile Elongation(Break)	420	%	ASTM D638
Flexural Strength	12	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	No Break		ASTM D256

Electrical Properties	Typical Value	Unit	Test Method
Volume Resistivity	< 10	Ohms·cm	ASTM D257
Surface Resistivity	< 1.0E+3	ohms	ESD STM11.11
	< 1.0E+4	ohms	ASTM D257
Static Decay	< 0.5	sec	FTMS 101C 4046.1

NFD ADVANCED COMPOSITES

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