

Elastever® E1110GF-70A

Material Description:

Elastever® E1110GF-70A is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 10% glass fiber.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Glass Fiber, 10% Filler by Weight
	• North America
	• Latin America
Features	• Ageing Resistant
	• Cold Resistant
RoHS Compliance	• Oil Resistant
Processing Method	• RoHS Compliant
	• Injection Molding
• Africa	• Wear Resistant

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.4	%	ASTM D570
Molding Shrinkage - Flow (3.20 mm)	0.1 to 0.3	%	ASTM D955

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore A,10 sec)	70		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	69	MPa	ASTM D638
Tensile Strength	16	MPa	ASTM D638
Tensile Elongation(Yield)	82	%	ASTM D638
Flexural Modulus	68	MPa	ASTM D790
Flexural Strength	4	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	155	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	280	J/m	ASTM D4812

Flammability	Typical Value	Unit	Test Method
Flame Rating(1.5mm)	HB		UL 94

NFD ADVANCED COMPOSITES

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COMPANY/公司:

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