

Elastever® E1120GF-70A

Material Description:

Elastever® E1120GF-70A is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 20% glass fiber. Characteristics include:Wear Resistant,Cold Resistant.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Glass Fiber, 30% Filler by Weight
	• Ageing Resistant
	• Oil Resistant
Features	• Cold Resistant
	• Wear Resistant
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.8	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.1 to 0.3	%	ASTM D955
Water Absorption (24 hr, 23°C)	0.4	%	ASTM D570

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

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	133	MPa	ASTM D638
Tensile Strength	23	MPa	ASTM D638
Tensile Elongation(Yield)	65	%	ASTM D638
Flexural Modulus	135	MPa	ASTM D790
Flexural Strength	6	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	215	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	360	J/m	ASTM D4812

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

CONTACT:

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