

Elastever® E1120GF-70D

Material Description:

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

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Glass Fiber, 20% 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	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.2	%	ASTM D955
Moisture Content	0.01	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	2200	MPa	ASTM D638
Tensile Strength	64	MPa	ASTM D638
Tensile Elongation(Yield)	25	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Flexural Strength	55	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	320	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	1300	J/m	ASTM D4812

Processing Information	Typical Value	Unit
Injection Pressure	55.2 to 87.2	MPa
Processing (Melt) Temp	193 to 221	°C
Mold Temperature	16 to 54	°C
Drying Temperature	88	°C
Drying Time	6	hr
Dew Point	-34	°C

CONTACT:

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