

## Elastever® E1110GF-67D

### Material Description:

Elastever® E1110GF-67D is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 10% glass fiber. Characteristics include:Wear Resistant.

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Glass Fiber, 10% Filler by Weight
	• Ageing Resistant
	• Good Processability
Features	• Oil Resistant
	• Cold Resistant
	• Environmental Protection
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.2 mm)	0.3	%	ASTM D955
Moisture Content	0.01	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	700	MPa	ASTM D638
Tensile Strength	40	MPa	ASTM D638
Tensile Elongation(Yield)	65	%	ASTM D638
Flexural Modulus	480	MPa	ASTM D790
Flexural Strength	18	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	800	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	No Break		ASTM D4812

Processing Information	Typical Value	Unit
Injection Pressure	41.4 to 82.7	MPa
Processing (Melt) Temp	193 to 218	°C
Mold Temperature	16 to 49	°C
Drying Temperature	82	°C
Drying Time	6	hr

### CONTACT:

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