

Elastever® E1140GF

Material Description:

Elastever ® E1140GF is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 40% glass fiber. Characteristics include:Wear Resistant.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Glass Fiber, 40% Filler by Weight
	• Ageing Resistant
Features	• Oil Resistant
	• Cold Resistant
Appearance	• Black
Forms	• Pellets
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.62	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.4	%	ASTM D570
Molding Shrinkage - Flow (3.18 mm)	0.1	%	ASTM D955

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Strength	85	MPa	ASTM D638
Tensile Elongation(Break)	4	%	ASTM D638

Flammability	Typical Value	Unit	Test Method
Flame Rating(1.6mm)	HB		UL 94

Electrical Properties	Typical Value	Unit	Test Method
Volume Resistivity	1E+11	Ohms·cm	ASTM D257

Processing Information	Typical Value	Unit
Rear Temperature	182 to 210	°C
Middle Temperature	182 to 210	°C
Front Temperature	182 to 210	°C
Mold Temperature	16 to 66	°C
Injection Pressure	68.9 to 103	MPa

CONTACT:

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