

Elastever® E1140GF-75D

Material Description:

Elastever® E1140GF-75D 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
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.54	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.2	%	ASTM D955
Moisture Content	0.02	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	2800	MPa	ASTM D638
Tensile Strength	83	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	82	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	390	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	1680	J/m	ASTM D4812

Processing Information	Typical Value	Unit
Injection Pressure	48.3 to 82.7	MPa
Processing (Melt) Temp	193 to 216	°C
Mold Temperature	16 to 32	°C
Drying Temperature	82	°C
Drying Time	6	hr
Dew Point	-40	°C

CONTACT:

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