

Elastever® E1130GF-75D

Material Description:

Elastever ® E1130GF-75D is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 30% glass fiber.Characteristics include:Wear Resistant.

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

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.05 to 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	3200	MPa	ASTM D638
Tensile Strength	72	MPa	ASTM D638
Tensile Elongation(Yield)	> 10	%	ASTM D638
Flexural Modulus	2800	MPa	ASTM D790
Flexural Strength	65	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.20mm)	380	J/m	ASTM D256
Unnotched Izod Impact(3.20mm)	No Break		ASTM D4812

Processing Information	Typical Value	Unit
Processing (Melt) Temp	204 to 221	°C
Mold Temperature	27 to 60	°C
Drying Temperature	99 to 110	°C
Drying Time	4 to 6	hr
Dew Point	< -29	°C

CONTACT:

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