

Elastever® E1140GF UV

Material Description:

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

General

Material Status	• Commercial: Active	
Availability	• Asia Pacific	• North America
	• Europe	• Latin America
	• Middle East	• Africa
Filler/Reinforcement	• Glass Fiber, 40% Filler by Weight	
Additive	• UV Stabilizer	
Features	• UV Stabilized	• Ageing Resistant
	• Cold Resistant	• Oil 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 D570
Moisture Content	0.02	%	ASTM D955

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	3300	MPa	ASTM D638
Tensile Strength	84	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	3700	MPa	ASTM D790
Flexural Strength	82	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	400	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	1650	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:

CHINA/JIANG SU
江苏新孚达复合材料有限公司
NFD Composite Material (Jiangsu) Co., Ltd
Email:yanghui@nfdpla.com
Internet:www.nfdpla.com