

Elastever® E1170A UV

Material Description:

Elastever® E1170A UV is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with UV Stabilizer. Characteristics include:UV Stabilized.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Additive	• UV Stabilizer
	• UV Stabilized
	• High Resilience
Features	• Ageing Resistant
	• Good Processability
	• Oil Resistant
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.06	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.5 to 1.5	%	ASTM D955
Moisture Content	0.01	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore A,10 sec)	70		ASTM D2240

Elastomers	Typical Value	Unit	Test Method
Tensile Strength ¹ Yield, 3.20 mm	16	MPa	ASTM D412
Tensile Elongation ¹ (Break)	> 500	%	ASTM D412
Tear Strength, Die C	72	KN/m	ASTM D624

Processing Information	Typical Value	Unit
Injection Pressure	68.9 to 103	MPa
Processing (Melt) Temp	185 to 218	°C
Mold Temperature	38 to 60	°C
Drying Temperature	107	°C
Drying Time	6	hr
Dew Point	-18	°C

NOTES:

¹ Die C,500 mm/min

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