

Elastever® E1140D UV

Material Description:

Elastever® E1140D 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 • North America • Latin America • Africa
Additive	• UV Stabilizer
Features	• UV Stabilized • Ageing Resistant • Good Processability • Oil Resistant • Shock Absorption • High Resilience • Cold Resistant • Environmental Protection • Wear Resistant
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.2	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1	%	ASTM D955
Moisture Content	0.02	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Flexural Modulus	72	MPa	ASTM D790

Elastomers	Typical Value	Unit	Test Method
Tensile Strength (Yield)	36	MPa	ASTM D412
Tensile Elongation (Yield)	800	%	ASTM D412
Tear Strength, Die C	124	KN/m	ASTM D624

Processing Information	Typical Value	Unit
Injection Pressure	27.6 to 55.2	MPa
Processing (Melt) Temp	193 to 218	°C
Mold Temperature	16 to 32	°C
Drying Temperature	82	°C
Drying Time	6	hr
Dew Point	-34	°C

CONTACT:

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