

Elastever® E1110TF-65D

Material Description:

Elastever® E1110TF-65D is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with 10% PTFE. Characteristics include:Lubricated.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Additive	• PTFE Lubricant: 10%
	• Lubricated
	• Ageing Resistant
Features	• Good Processability
	• Oil Resistant
	• Shock Absorption
	• High Resilience
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2 mm)	1.1	%	ASTM D955
Moisture Content	0.01	%	

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Strength	48	MPa	ASTM D638
Tensile Elongation (Yield)	> 400	%	ASTM D638
Flexural Modulus	300	MPa	ASTM D790

Processing Information	Typical Value	Unit
Injection Pressure	68.9 to 103	MPa
Processing (Melt) Temp	160 to 218	°C
Mold Temperature	38 to 60	°C
Drying Temperature	107	°C

NFD ADVANCED COMPOSITES

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