

Elastever® E1190A XGB

Material Description:

Elastever® E1190A XGB is a Thermoplastic Polyurethane Elastomer(TPU-polyether) product filled with glass bubbles. Characteristics include:Ageing Resistant.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Filler/Reinforcement	• Glass Bubble
	• Ageing Resistant
Features	• Oil Resistant
	• Cold Resistant
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	0.93	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.3 to 0.5	%	ASTM D955

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore A,10 sec)	90		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Modulus	370	MPa	ASTM D638
Tensile Strength	15	MPa	ASTM D638
Tensile Elongation(Yield)	32	%	ASTM D638
Flexural Modulus	265	MPa	ASTM D790
Flexural Strength	12	MPa	ASTM D790

Impact Properties	Typical Value	Unit	Test Method
Notched Izod Impact(3.2mm)	105	J/m	ASTM D256
Unnotched Izod Impact(3.2mm)	No Break		ASTM D4812

Processing Information	Typical Value	Unit
Injection Pressure	34.5 to 68.9	MPa
Processing (Melt) Temp	193 to 216	°C
Mold Temperature	16 to 32	°C
Drying Temperature	88	°C
Drying Time	6	hr

CONTACT:

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