

Elastever® E1193A

Material Description:

Elastever® E1193A is a unreinforced Thermoplastic Polyurethane Elastomer(TPU-polyether) product. Characteristics include: Cold Resistant, Environmental Protection, Wear-resisting

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Features	• Shock Absorption
	• Ageing Resistant
	• Good Processability
	• Oil Resistant
	• Natural Color
Appearance	• Black
Forms	• Pellets
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.75	%	ASTM D955
Water Absorption (24 hr, 23°C)	0.3	%	ASTM D570

Hardness	Typical Value	Unit	Test Method
Durometer Hardness (Shore A)	93		ASTM D2240

Mechanical Properties	Typical Value	Unit	Test Method
Tensile Strength	50	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	72	MPa	ASTM D790

Processing Information	Typical Value	Unit
Rear Temperature	182 to 218	°C
Middle Temperature	182 to 218	°C
Front Temperature	182 to 218	°C
Mold Temperature	16 to 66	°C
Injection Pressure	68.9 to 103	MPa

Additional Information

Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 15mil/in.

CONTACT:

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