

## Elastever® E1170A

### Material Description:

Elastever® E1170A is a unreinforced Thermoplastic Polyurethane Elastomer(TPU-polyether) product. Characteristics include: Translucent.

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
	• Europe
	• Middle East
Features	• North America
	• Latin America
	• Africa
	• High Resilience
Appearance	• Wear Resistant
	• Ageing Resistant
	• Good Processability
RoHS Compliance	• Oil Resistant
Processing Method	• Translucent
	• RoHS Compliant
	• Injection Molding

Physical Properties	Typical Value	Unit	Test Method
Density/Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Moisture Content	< 0.03	%	

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

Elastomers	Typical Value	Unit	Test Method
Tensile Stress <sup>1</sup> 100% Strain,3.18 mm	3	MPa	ASTM D412
Tensile Strength <sup>2</sup> Break, 3.20 mm	21	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	800	%	ASTM D412
Tear Strength, Die C	62	KN/m	ASTM D624

Processing Information	Typical Value	Unit
Processing (Melt) Temp	188 to 199	°C
Mold Temperature	16 to 38	°C
Drying Temperature	82 to 93	°C
Drying Time	2 to 4	hr
Dew Point	< -18	°C

### NOTES:

<sup>1</sup> Die C,510 mm/min

<sup>2</sup> Die C,500 mm/min

### CONTACT:

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