

Technical Data

Product Description

Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties, very good damping and resilience performance, heat resistance and improved cycle times.

Typical applications
 (Automotive) e.g. sealings, stop dampers, cable jackets.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• High Heat Resistance • Resilient
Uses	• Automotive Applications • Cable Jacketing • Seals
Processing Method	• Blow Molding • Extrusion • Injection Molding

Physical	Nominal Value Unit	Test Method
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Density	1.17 g/cm ³	ISO 1183/A
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Mechanical	Nominal Value Unit	Test Method
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Abrasion Loss	55.0 mm ³	ISO 4649-A
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Elastomers	Nominal Value Unit	Test Method
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Tensile Stress		DIN 53504
20% Strain	0.850 MPa	
100% Strain	1.50 MPa	
300% Strain	2.00 MPa	
Tensile Stress		DIN 53504
Yield	35.0 MPa	
Yield ²	20.0 MPa	
Tensile Elongation		DIN 53504
Break	1000 %	
Break ²	1100 %	
Tear Strength ³	40.0 kN/m	ISO 34-1
Compression Set		ISO 815
23°C, 72 hr	25 %	
70°C, 24 hr	43 %	
100°C, 24 hr	60 %	

Impact	Nominal Value Unit	Test Method
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Charpy Notched Impact Strength		ISO 179
-30°C	No Break	
23°C	No Break	

Hardness	Nominal Value Unit	Test Method
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Shore Hardness (Shore A, 3 sec)	63	ISO 7619
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Thermal	Nominal Value Unit	Test Method
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Vicat Softening Temperature	70.0 °C	ISO 306/A120
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Injection	Nominal Value Unit
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Processing (Melt) Temp	190 to 220 °C
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Mold Temperature	20 to 50 °C
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Extrusion	Nominal Value Unit
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Melt Temperature	180 to 230 °C
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Notes

¹ Typical properties: these are not to be construed as specifications.

² after storage in water for 21 days at 80°C

³ Method Bb, Angle (Nicked)



Elastollan® C 60 A HPM

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

BASF Polyurethanes GmbH

, Germany

Telephone: +49-5443-12-0

Web: <http://www.polyurethanes.basf.eu/pu/solutions/en/>

Distributor

Channel Prime Alliance

Telephone: 800-247-8038

Web: <http://www.channelpa.com/>

Availability: North America

Distrupol Ltd

Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.

Telephone: 08452003040

Web: <http://www.distrupol.com/>

Availability: Denmark, Finland, Ireland, Norway, Sweden, United Kingdom

