Technical Data

Product Description

Thermoplastic Polyether Polyurethane Elastomers with outstanding hydrolysis resistance, low temperature flexibility and resistance to microorganisms.

Typical applications

Cable jackets, plugs and terminations, spiral tubing, Films, ski-boot shells, ear tags, technical mouldings like mining screens, railway pads, seals.

General Material Status · Commercial: Active Processing - Elastollan (English) Literature¹ Technical Datasheet (English) BASF Polyurethanes GmbH Search for UL Yellow Card • Elastollan® Availability • Europe Features · Hydrolysis Resistant Low Temperature Flexibility · Microbe Resistant Cable Jacketing · Molded Ear Tags Sporting Goods Uses • Film Plugs Tubing · Mining Applications Seals Extrusion · Blow Molding · Injection Molding **Processing Method**

Physical	Nominal Value Unit	Test Method
Density	1.08 g/cm ³	ISO 1183/A
Mechanical	Nominal Value Unit	Test Method
Abrasion Loss	< 50.0 mm ³	ISO 4649-A
Elastomers	Nominal Value Unit	Test Method
Tensile Stress		DIN 53504
20% Strain	1.30 MPa	
100% Strain	2.00 MPa	
300% Strain	4.80 MPa	
Tensile Stress (Yield)	30.0 MPa	DIN 53504
Tensile Elongation (Break)	850 %	DIN 53504
Tear Strength ³	44.0 kN/m	ISO 34-1
Compression Set		ISO 815
23°C, 72 hr	24 %	
70°C, 24 hr	50 %	
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-30°C	No Break	
23°C	No Break	
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore A, 3 sec)	71	ISO 7619
Injection	Nominal Value Unit	

Processing (Melt) Temp	170 to 240 °C	
Mold Temperature	20 to 70 °C	
Extrusion	Nominal Value Unit	
Melt Temperature	160 to 220 °C	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Method Bb, Angle (Nicked)



1 of 2

UL and the UL logo are trademarks of UL LLC © 2020. All Rights Reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.



Where to Buy

Supplier

BASF Polyurethanes GmbH , Germany Telephone: +49-5443-12-0 Web: http://www.polyurethanes.basf.eu/pu/solutions/en/

Distributor Biesterfeld

Biesterfeld is a Pan European distribution company. Contact Biesterfeld for availability of individual products by country. Telephone: +49-40-32008-0

Web: http://www.biesterfeld-plastic.com/

Availability: Algeria, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Germany, Greece, Hungary, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Tunisia, Turkey

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





The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content. Form No. TDS-229041-en Document Created: Friday, May 29, 2020 Added to Prospector: July 2013 Last Updated: 1/28/2014