

# Elastollan® 1195 A

Thermoplastic Polyurethane Elastomer (Polyether)

BASF Polyurethanes GmbH

PROSPECTOR®

www.ulprospector.com

## Technical Data

### Product Description

Thermoplastic Polyether Polyurethane Elastomers with outstanding hydrolysis resistance, low temperature flexibility and resistance to micro-organisms.

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
Literature <sup>1</sup>	• <a href="#">Processing - Elastollan (English)</a> • <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">BASF Polyurethanes GmbH</a> • <a href="#">Elastollan®</a>
Availability	• Europe
Features	• Hydrolysis Resistant • Low Temperature Flexibility • Microbe Resistant
Uses	• Cable Jacketing • Molded Ear Tags • Sporting Goods • Film • Plugs • Tubing • Mining Applications • Seals
Processing Method	• Blow Molding • Extrusion • Injection Molding

Physical	Nominal Value Unit	Test Method
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Density	1.15 g/cm <sup>3</sup>	ISO 1183/A
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Mechanical	Nominal Value Unit	Test Method
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Abrasion Loss	25.0 mm <sup>3</sup>	ISO 4649-A
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Elastomers	Nominal Value Unit	Test Method
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Tensile Stress		DIN 53504
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20% Strain	6.00 MPa	
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100% Strain	10.0 MPa	
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300% Strain	18.0 MPa	
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Tensile Stress		DIN 53504
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Yield	55.0 MPa	
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Yield <sup>3</sup>	37.0 MPa	
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Tensile Elongation (Break)	500 %	DIN 53504
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Tear Strength <sup>4</sup>	100 kN/m	ISO 34-1
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Compression Set		ISO 815
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23°C, 72 hr	30 %	
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70°C, 24 hr	45 %	
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Impact	Nominal Value Unit	Test Method
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Charpy Notched Impact Strength		ISO 179
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-30°C	No Break	
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23°C	No Break	
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Hardness	Nominal Value Unit	Test Method
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Shore Hardness		ISO 7619
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Shore A, 3 sec	96	
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Shore D, 3 sec	48	
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Flammability	Nominal Value Unit	Test Method
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Flame Rating	HB	UL 94
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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

<sup>1</sup> 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.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> after storage in water at 80°C for 42 days

<sup>4</sup> Method Bb, Angle (Nicked)



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### Where to Buy

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#### Supplier

##### **BASF Polyurethanes GmbH**

, Germany

Telephone: +49-5443-12-0

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

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#### Distributor

##### **Biesterfeld Plastic GmbH**

*Biesterfeld is a Pan European distribution company. Contact Biesterfeld for availability of individual products by country.*

Telephone: +49-40-32-00-80

Web: <https://www.biesterfeld.com/>

Availability: Africa & Middle East, Europe

##### **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

