

## Technical Data

### Product Description

Aliphatic, thermoplastic Polyurethane with excellent colour fastness, good flow characteristics, detailed reproduction of surface structures, resistance to hydrolysis and low fogging values.

#### Typical applications

Applications in the automotive interior, e.g. inner door handles, instrument panels, cover centre consoles, lever wheels, slider covers, tubes, films.

### General

Material Status	• Experimental: 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	• Aliphatic • Good Flow • Hydrolysis Resistant • Low Fogging
Uses	• Automotive Instrument Panel • Automotive Interior Parts • Film • Handles • Tubing • Wheels
Processing Method	• Extrusion • Injection Molding • Slush Molding

Physical	Nominal Value Unit	Test Method
Density	1.18 g/cm <sup>3</sup>	ISO 1183/A

Elastomers	Nominal Value Unit	Test Method
Tensile Stress (Yield)	15.0 MPa	DIN 53504
Tensile Elongation (Break)	900 %	DIN 53504
Tear Strength <sup>3</sup>	45.0 kN/m	ISO 34-1
Compression Set		ISO 815
23°C, 72 hr	22 %	
70°C, 24 hr	30 %	
100°C, 24 hr	45 %	

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore A, 3 sec)	80	ISO 7619

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	90.0 °C	ISO 306/A120

Injection	Nominal Value Unit
Processing (Melt) Temp	190 to 235 °C
Mold Temperature	20 to 60 °C

Extrusion	Nominal Value Unit
Melt Temperature	180 to 230 °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> Method Bb, Angle (Nicked)



## Elastollan® LP 9307

Thermoplastic Polyurethane Elastomer (Polyester)

**BASF Polyurethanes GmbH**

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[www.ulprospector.com](http://www.ulprospector.com)

### 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

**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

