

# Elastollan® 1085 A

## Thermoplastic Polyurethane Elastomer (Polyether)

### Elastogran GmbH

#### Product Description

Thermoplastic Polyether-Polyurethane-Elastomer with excellent mechanical properties, good damping characteristic, high resilience performance, outstanding wear resistance, high tear and tensile strength and high resistance to micro-organisms.  
Processable by injection moulding.

#### General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Bacteria Resistant • Hydrolysis Resistant
Forms	• Pellets

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
20% Strain, 23°C	4.80	MPa	
100% Strain, 23°C	7.30	MPa	
300% Strain, 23°C	16.5	MPa	
Tensile Stress (Yield, 23°C)	35.0	MPa	ISO 37
Tensile Elongation (Break, 23°C)	700	%	ISO 37
Tear Strength <sup>2</sup> (23°C)	60	kN/m	ISO 34-1
Compression Set			ISO 815
23°C	22	%	
70°C	34	%	
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)	89		ISO 868

#### Additional Information

Properties tested in accordance with DIN test standards.  
Abrasion Loss, ISO 4649-A: 70 mm<sup>3</sup>

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Method Ba, Angle (Unnicked)

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 [www.kedisujiao.com](http://www.kedisujiao.com)

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