

# Elastollan® 1185 A 50

## Thermoplastic Polyurethane Elastomer (Polyether)

### Elastogran GmbH

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

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	6.00	MPa	
300% Strain	10.0	MPa	
Tear Strength	70	kN/m	ISO 34-1
Compression Set			ISO 815
23°C	25	%	
70°C	45	%	

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			ISO 868
Shore A	87		
Shore D	36		

**Additional Information**

Note: These properties were tested in accordance with the DIN test standard.  
 Stress at 20% elongation, DIN 53504: 2.5 Mpa  
 Abrasion Loss, DIN 53516: 25 mm<sup>3</sup>  
 Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 32 Mpa  
 Elongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 600 %

#### Notes

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

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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