

# Elastollan® S 85 A 15

## Thermoplastic Polyurethane Elastomer (Polyester)

### Elastogran GmbH

General	
Material Status	• Commercial: Active
Availability	• Europe
Forms	• Pellets

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	55.0	MPa	ISO 527-2
Tensile Strain (Break)	650	%	ISO 527-2

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	5.00	MPa	
300% Strain	8.00	MPa	
Tear Strength	70	kN/m	ISO 34-1
Compression Set			ISO 815
23°C	25	%	
70°C	35	%	

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)	85		ISO 868

**Additional Information**  
 Note: These properties were tested in accordance with the DIN test standard.  
 Stress at 20% elongation, DIN 53504: 2 Mpa  
 Abrasion Loss, DIN 53516: 35 mm<sup>3</sup>

#### Notes

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

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

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