

# Elastollan® S 85 A 10

## 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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