

Elastollan® S 80 A 10

Thermoplastic Polyurethane Elastomer (Polyester)

Elastogran GmbH

General				
Material Status	• Commercial: Active			
Availability	• Europe			
Forms	• Pellets			
Physical		Nominal Value	Unit	Test Method
Density		1.22	g/cm ³	ISO 1183
Mechanical		Nominal Value	Unit	Test Method
Tensile Stress (Break)		50.0	MPa	ISO 527-2
Tensile Strain (Break)		750	%	ISO 527-2
Elastomers		Nominal Value	Unit	Test Method
Tensile Stress				ISO 37
100% Strain		4.00	MPa	
300% Strain		8.00	MPa	
Tear Strength		60	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)		81		