

Product Comparison

Technical Data

General	Elastollan® S 64 D 50	Elastollan® S 64 D 53		
Manufacturer / Supplier	• BASF Polyurethanes GmbH	• BASF Polyurethanes GmbH		
Generic Symbol	• TPU-Polyester	• TPU-Polyester		
Material Status	• Commercial: Active	• Commercial: Active		
Literature ¹	• Processing - Elastollan (English)	• Processing - Elastollan (English)		
Search for UL Yellow Card	• BASF Polyurethanes GmbH • Elastollan®	• BASF Polyurethanes GmbH • Elastollan®		
Availability	• Europe	• Europe		
Forms	• Pellets	• Pellets		

Physical	Elastollan® S 64 D 50	Elastollan® S 64 D 53	Unit	Test Method
Density	1.26	1.26	g/cm³	ISO 1183

Mechanical	Elastollan® S 64 D 50	Elastollan® S 64 D 53	Unit	Test Method
Tensile Modulus	410	410	MPa	ISO 527-2
Tensile Stress (Break)	45.0	45.0	MPa	ISO 527-2
Tensile Strain (Break)	450	450	%	ISO 527-2

Elastomers	Elastollan® S 64 D 50	Elastollan® S 64 D 53	Unit	Test Method
Tensile Stress				ISO 37
100% Strain	23.0	23.0	MPa	
300% Strain	38.0	38.0	MPa	
Tear Strength	200	200	kN/m	ISO 34-1
Compression Set				ISO 815
23°C	45	45	%	
70°C	55	55	%	

Impact	Elastollan® S 64 D 50	Elastollan® S 64 D 53	Unit	Test Method
Charpy Notched Impact Strength (23°C)	No Break	No Break		ISO 179

Hardness	Elastollan® S 64 D 50	Elastollan® S 64 D 53	Unit	Test Method
Shore Hardness (Shore D)	64	64		ISO 868

Additional Information				
Elastollan® S 64 D 50	Note: These properties were tested in accordance with the DIN test standard. Stress at 20% elongation, DIN 53504: 22 Mpa Abrasion Loss, DIN 53516: 25 mm³			
Elastollan® S 64 D 53	Note: These properties were tested in accordance with the DIN test standard. Stress at 20% elongation, DIN 53504: 22 Mpa Abrasion Loss, DIN 53516: 25 mm³			

