

Elastollan® S 60 D

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties, outstanding wear resistance, good damping and resilience performance and excellent tear strength.

Typical applications

Shoe soles, top pieces, tubes, technical parts e.g. castor tyres.

General Information			
Features	Good Tear Strength		
	Good Wear Resistance		
	Resilient		
Uses	Footwear		
	Tubing		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	60		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	250	MPa	ISO 527-2
Abrasion Loss	25.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	15.0	MPa	
100% Strain	18.0	MPa	
300% Strain	34.0	MPa	
Tensile Stress (Yield)	45.0	MPa	DIN 53504
Tensile Elongation (Break)	500	%	DIN 53504
Tear Strength ¹	170	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	40	%	
70°C, 24 hr	50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-30°C	4.0	kJ/m ²
23°C	No Break	
Injection	Nominal Value	Unit
Processing (Melt) Temp	175 to 240	°C
Mold Temperature	20.0 to 70.0	°C
Extrusion	Nominal Value	Unit
Melt Temperature	175 to 220	°C
NOTE		
1.	Method Bb, Angle (Nicked)	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT