

Elastollan® S 95 A

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	1.24	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 7619
Shore A, 3 sec	96		
Shore D, 3 sec	48		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	30.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	8.00	MPa	
100% Strain	11.0	MPa	
300% Strain	20.0	MPa	
Tensile Stress (Yield)	50.0	MPa	DIN 53504
Tensile Elongation (Break)	550	%	DIN 53504
Tear Strength ¹	120	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	25	%	
70°C, 24 hr	45	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength		ISO 179
-30°C	14	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)	

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