Elastollan® S 98 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	1.25	g/cm³	ISO 1183/A
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 3 sec)	55		ISO 7619
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	200	MPa	ISO 527-2
Abrasion Loss	25.0	mm³	ISO 4649-A
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			DIN 53504
20% Strain	13.0	MPa	
100% Strain	16.0	MPa	
300% Strain	23.0	MPa	
Tensile Stress (Yield)	45.0	MPa	DIN 53504
Tensile Elongation (Break)	500	%	DIN 53504
Tear Strength [1]	150	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	30	%	
70°C, 24 hr	45	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179

-30°C	13	kJ/m²
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)	

Recommended distributors for this material

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