

Elastollan® Soft 45 AP

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

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

Typical applications

Application specific formulations.

Available as ESD-version

General Information			
Additive	Plasticizer		
Features	Good Tear Strength		
	Good Wear Resistance		
	Resilient		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	50		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	39.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	0.600	MPa	
100% Strain	1.50	MPa	
300% Strain	3.00	MPa	
Tensile Stress (Yield)	34.0	MPa	DIN 53504
Tensile Elongation (Break)	950	%	DIN 53504
Tear Strength ¹	42	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	34	%	
70°C, 24 hr	53	%	
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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