

Elastollan® 590 A

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties and in particular, good abrasion resistance.

Typical applications

Shoes, parts subject to regular wear and tear, castor tyres and films.

General Information			
Features	Good Abrasion Resistance		
Uses	Film		
	Footwear		
Processing Method	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			ISO 7619
Shore A, 3 sec	94		
Shore D, 3 sec	41		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	35.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	DIN 53504
Tensile Elongation (Break)	600	%	DIN 53504
Tear Strength ¹	100	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Processing (Melt) Temp	175 to 230	°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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