

Elastollan® B 60 A ESD M

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties, outstanding wear resistance, good tensile strength, good damping and resilience performance and superior low temperature flexibility.

Typical applications

Sport-shoe soles and accessories, Skiboot shells, technical mouldings, e.g. seals, castor tyres, tubing.

Certain UV stabilised B grades are available on request

General Information	
Features	Good Wear Resistance
	Low Temperature Flexibility
	Resilient
Uses	Footwear
	Seals
	Sporting Goods
	Tubing
Appearance	Matte Finish
Processing Method	Blow Molding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	63		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	60.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	1.00	MPa	
100% Strain	2.50	MPa	
300% Strain	6.50	MPa	
Tensile Stress			DIN 53504
Yield ¹	25.0	MPa	
Yield	30.0	MPa	
Tensile Elongation			DIN 53504
Break ²	900	%	

Break	800	%	
Tear Strength ³	50	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	20	%	
70°C, 24 hr	30	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+7	ohms·cm	IEC 60093
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 220	°C	
Mold Temperature	20.0 to 50.0	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 230	°C	
NOTE			
1.	after storage in water for 21 days at 80°C		
2.	after storage in water for 21 days at 80°C		
3.	Method Bb, Angle (Nicked)		

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