

Elastollan® B 60 A 10 WHTSG 000

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

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

General Information			
Features	Good Tear Strength		
	Good Wear Resistance		
	High Tensile Strength		
	Low Temperature Flexibility		
	Resilient		
Processing Method	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)	60		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	100	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504-S2
20% Strain	1.00	MPa	
100% Strain	2.50	MPa	
300% Strain	6.50	MPa	
Tensile Stress (Yield)	25.0	MPa	DIN 53504-S2
Tensile Elongation (Break)	900	%	DIN 53504-S2
Tear Strength ¹	45	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	25	%	
70°C, 24 hr	40	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Suggested Max Moisture	0.020	%	
Hopper Temperature	40.0	°C	

Rear Temperature	175 to 185	°C
Middle Temperature	180 to 195	°C
Front Temperature	185 to 195	°C
Nozzle Temperature	190 to 200	°C
Processing (Melt) Temp	185 to 195	°C
Mold Temperature	20.0 to 40.0	°C
Injection Rate	Slow	
Back Pressure	5.00 to 15.0	MPa

NOTE

1. Method Bb, Angle (Nicked)

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