

Elastollan® 560 D 53 000

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Thermoplastic Polyester-Polyurethane with excellent mechanical properties and a high abrasion resistance.

General Information			
Features	Good wear resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	61		DIN 7619-1
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	30.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	45.0	MPa	DIN 53504-S2
Tensile Elongation (Break)	450	%	DIN 53504-S2
Tear Strength ¹	180	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature	90 - 110	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	0.020	%	
Hopper Temperature	40	°C	
Rear Temperature	215 - 225	°C	
Middle Temperature	220 - 235	°C	
Front Temperature	225 - 235	°C	
Nozzle Temperature	230 - 240	°C	
Processing (Melt) Temp	225 - 235	°C	
Mold Temperature	30 - 60	°C	
Injection Rate	Slow		
Back Pressure	5.00 - 15.0	MPa	
Screw L/D Ratio	18.0:1.0 to 22.0:1.0		
Screw Compression Ratio	2.0 : 1.0 - 3.0 : 1.0		
NOTE			

1.

Method B, right-angle specimen (cut)

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