

Elastollan® 770 A 15 CS 000

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Thermoplastic Polyester-Polyurethane with excellent mechanical properties and chemical resistance, outstanding wear resistance, good damping characteristic and high resilience performance.

General Information			
Features	Good chemical resistance		
	Good wear resistance		
	Elastic		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	70		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	50.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	DIN 53504-S2
Tensile Elongation (Break)	650	%	DIN 53504-S2
Tear Strength ¹	45	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	23	%	ISO 815
70°C, 24 hr	27	%	ISO 815
100°C, 24 hr	45	%	ISO 815
Injection	Nominal Value	Unit	
Drying Temperature	70 - 90	°C	
Drying Time	4.0 - 5.0	hr	
Suggested Max Moisture	0.020	%	
Hopper Temperature	40	°C	
Rear Temperature	180 - 200	°C	
Middle Temperature	185 - 205	°C	
Front Temperature	190 - 210	°C	
Nozzle Temperature	190 - 210	°C	
Processing (Melt) Temp	190 - 210	°C	
Mold Temperature	30 - 50	°C	
Injection Rate	Slow		

Back Pressure	5.00 - 15.0	MPa
NOTE		

- Method B, right-angle specimen
(cut)

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