

**General Information**
**Product Description**

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

**General**

Material Status	• Commercial: Active
Availability	• Europe
Features	• Chemical Resistant • Resilient • Wear Resistant
Forms	• Pellets
Processing Method	• Injection Molding

**ASTM & ISO Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	40.0	mm <sup>3</sup>	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	38.0	MPa	DIN 53504-S2
Tensile Elongation (Break)	480	%	ISO 37
Tear Strength <sup>2</sup>	100	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	22	%	
70°C, 24 hr	30	%	
100°C, 24 hr	40	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 7619-1
Shore A, 3 sec	94		
Shore D, 3 sec	44		

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	90 to 110	°C
Drying Time	4.0 to 5.0	hr
Suggested Max Moisture	0.020	%
Hopper Temperature	40	°C
Rear Temperature	195 to 215	°C
Middle Temperature	200 to 220	°C
Front Temperature	205 to 225	°C
Nozzle Temperature	210 to 230	°C
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	20 to 50	°C
Injection Rate	Slow	
Back Pressure	5.00 to 15.0	MPa

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# Elastollan® 794 A 15 CS 000

BASF Polyurethanes GmbH - Thermoplastic Polyurethane Elastomer (Polyester)

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Method Bb, Angle (Nicked)

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