

# Xuchuan A-9001/B-8001D

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan A-9001/B-8001D is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods.

Characteristics include:

Good Flexibility

High Hardness

General Information		
Features	Good Flexibility	
	High Hardness	
	Medium Density	
	Resilient	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.410 to 0.600	g/cm <sup>3</sup>
Density		
A-9001 : 40°C	1.010 to 1.020	g/cm <sup>3</sup>
B-8001D : 40°C	1.080 to 1.200	g/cm <sup>3</sup>
Viscosity		
A-9001 : 40°C	1.00 to 1.40	Pa·s
B-8001D : 40°C	0.600 to 0.800	Pa·s
Williams Abrasion	150 to 240	cc/php
Cream Time	6.0 to 8.0	sec
End of Rise Time	30.0 to 40.0	sec
Free Rise Foam Density	210 to 260	kg/m <sup>3</sup>
Preheat Temperature		
Part A	50 to 60	°C
Part B	50 to 60	°C
Preheat Time		
Part A	6.0 to 8.0	hr
Part B	8.0 to 12.0	hr
Processing Temperature		
Part A	40 to 45	°C
Part B	38 to 42	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A)	65 to 82	
Elastomers	Nominal Value	Unit

Tensile Strength (Break)	5.00 to 7.00	MPa
Tensile Elongation (Break)	300 to 400	%
Tear Strength	21.0 to 30.0	kN/m
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 80 to 82	
Demold Time	5.0 to 7.0	min
Injection	Nominal Value	Unit
Mold Temperature	45.0 to 55.0	°C

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#### Recommended distributors for this material

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