

# Xuchuan A-9006/B-8006

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan A-9006/B-8006 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods. Primary characteristic: high hardness.

General Information		
Features	High Hardness	
	Low Density	
Uses	Footwear	
	Synthetic Leather	

Physical	Nominal Value	Unit
Density	0.400 to 0.480	g/cm <sup>3</sup>
Density		
A-9006 : 40°C	1.010 to 1.020	g/cm <sup>3</sup>
B-8006 : 40°C	1.080 to 1.200	g/cm <sup>3</sup>
Viscosity		
A-9006 : 40°C	1.00 to 1.40	Pa·s
B-8006 : 40°C	0.600 to 0.800	Pa·s
Williams Abrasion	130 to 200	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	6.0 to 8.0	hr
Processing Temperature		
Part A	40 to 45	°C
Part B	38 to 42	°C

Hardness	Nominal Value	Unit
Durometer Hardness (Shore A)	72 to 82	

Elastomers	Nominal Value	Unit
Tensile Strength (Break)	4.00 to 7.00	MPa
Tensile Elongation (Break)	200 to 300	%

Tear Strength	11.0 to 20.0	kN/m
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 93 to 95	
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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