

Xuchuan A-9000/B-6088

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan A-9000/B-6088 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods.
Characteristics include:
Good Aesthetics
Good Flexibility
High Hardness

General Information	
Features	Good Flexibility
	Good Surface Finish
	High Hardness
	Low Density
Uses	Footwear
	Synthetic Leather

Physical	Nominal Value	Unit
Density	0.400 to 0.480	g/cm ³
Density		
A-9000 : 40°C	1.010 to 1.020	g/cm ³
B-6088 : 40°C	1.080 to 1.200	g/cm ³
Viscosity		
A-9000 : 40°C	1.20 to 1.80	Pa·s
B-6088 : 40°C	0.600 to 0.800	Pa·s
Ross Flex (23°C) ¹	No Crack	
Cream Time	6.0 to 8.0	sec
End of Rise Time	25.0 to 30.0	sec
Free Rise Foam Density	180 to 250	kg/m ³
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)	70 to 80	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	4.20 to 6.90	MPa
Tensile Elongation (Break)	360 to 450	%
Tear Strength	18.0 to 27.0	kN/m
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 83 to 85	
Demold Time	5.0 to 7.0	min
Injection	Nominal Value	Unit
Mold Temperature	55.0 to 65.0	°C
NOTE		
1.	40000 cycles, Break length 4 mm	

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