

Xuchuan 2250W/B-8580

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 2250W/B-8580 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods.
Characteristics include:
Good Aesthetics
Good Dimensional Stability

General Information		
Features	Good Dimensional Stability	
	Good Surface Finish	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.300 to 0.450	g/cm ³
Density		
	A-2250W : 40°C	1.010 to 1.020 g/cm ³
	B-8580 : 40°C	1.080 to 1.200 g/cm ³
Viscosity		
	A-2250W : 40°C	0.800 to 1.20 Pa·s
	B-8580 : 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	40.0 to 50.0	sec
Free Rise Foam Density	150 to 250	kg/m ³
Preheat Temperature		
	Part A	50 to 60 °C
	Part B	50 to 60 °C
Preheat Time		
	Part A	8.0 to 10.0 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)	37 to 55	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	4.00 to 6.00	MPa
Tensile Elongation (Break)	250 to 400	%


Tear Strength	18.0 to 26.0	kN/m
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 78 to 80	
Demold Time	4.0 to 5.0	min
Injection	Nominal Value	Unit
Mold Temperature	45.0 to 55.0	°C
NOTE		
1.	40000 cycles	

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