

Xuchuan 2000/B-8580

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 2000/B-8580 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods. Primary characteristic: good dimensional stability.

General Information		
Features	Good Dimensional Stability	
	High Elasticity	
	Low Density	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.280 to 0.380	g/cm ³
Density		
A-2000 : 40°C	1.010 to 1.020	g/cm ³
B-8580 : 40°C	1.080 to 1.200	g/cm ³
Viscosity		
A-2000 : 40°C	1.00 to 1.40	Pa·s
B-8580 : 40°C	0.600 to 1.00	Pa·s
Cream Time	7.0 to 9.0	sec
End of Rise Time	50.0 to 60.0	sec
Free Rise Foam Density	130 to 160	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 C)	27 to 40	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	4.00 to 6.00	MPa
Tensile Elongation (Break)	300 to 380	%
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: 71 to 73	
Demold Time	5.0 to 7.0	min
Injection	Nominal Value	Unit
Mold Temperature	45.0 to 55.0	°C

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

