

Xuchuan 2020/B-8020

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 2020/B-8020 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
Low Hardness

General Information		
Features	Good Dimensional Stability	
	Good Surface Finish	
	Low Density	
	Low Hardness	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.280 to 0.400	g/cm ³
Density		
A-2020 : 40°C	1.010 to 1.020	g/cm ³
B-8020 : 40°C	1.080 to 1.200	g/cm ³
Viscosity		
A-2020 : 40°C	0.800 to 1.20	Pa·s
B-8020 : 40°C	0.700 to 0.900	Pa·s
Cream Time	6.0 to 8.0	sec
End of Rise Time	40.0 to 50.0	sec
Free Rise Foam Density	140 to 210	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)	30 to 55	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	1.50 to 3.50	MPa


Tensile Elongation (Break)	300 to 400	%
Tear Strength	12.0 to 20.0	kN/m
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 68 to 70	
Demold Time	4.0 to 5.0	min
Injection	Nominal Value	Unit
Mold Temperature	45.0 to 55.0	°C

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