

Xuchuan 2155/B-8290

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 2155/B-8290 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods. Primary characteristic: good aesthetics.

General Information		
Features	Good Surface Finish	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.500 to 0.600	g/cm ³
Density		
A-2155 : 40°C	1.010 to 1.020	g/cm ³
B-8290 : 40°C	1.080 to 1.200	g/cm ³
Viscosity		
A-2155 : 40°C	0.800 to 1.20	Pa·s
B-8290 : 40°C	0.800 to 1.20	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	250 to 300	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)	55 to 65	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	4.00 to 6.00	MPa
Tensile Elongation (Break)	390 to 550	%
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: 82 to 84	
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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