

# Xuchuan 2006/B-8016

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

## Message:

Xuchuan 2006/B-8016 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	
	Low Density	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.420 to 0.550	g/cm <sup>3</sup>
Density		
A-2006 : 40°C	1.010 to 1.020	g/cm <sup>3</sup>
B-8016 : 40°C	1.080 to 1.200	g/cm <sup>3</sup>
Viscosity		
A-2006 : 40°C	1.20 to 2.00	Pa·s
B-8016 : 40°C	0.600 to 0.800	Pa·s
Cream Time	6.0 to 8.0	sec
End of Rise Time	35.0 to 40.0	sec
Free Rise Foam Density	180 to 250	kg/m <sup>3</sup>
Hydrolysis Strength Retention (70°C) <sup>1</sup>	> 70	%
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	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)	50 to 62	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	3.00 to 4.50	MPa
Tensile Elongation (Break)	400 to 600	%
Tear Strength	15.0 to 20.0	kN/m
Thermoset	Nominal Value	Unit

Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 74 to 76	
Demold Time	5.0 to 7.0	min
Injection	Nominal Value	Unit
Mold Temperature	55.0 to 65.0	°C
NOTE		
1.	168 hr, 95% RH	

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