Xuchuan 3070/B-8280

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 3070/B-8280 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific.
Characteristics include:
Good Aesthetics
Good Processability

General Information		
Features	Good Processability	
	Good Surface Finish	
Uses	Tires	
Physical	**Nominal Value**	**Unit**
Density	0.500 to 0.700	g/cm³
Density		
A-3070 : 40°C	1.010 to 1.020	g/cm³
B-8280 : 40°C	1.080 to 1.200	g/cm³
Viscosity		
A-3070 : 40°C	1.00 to 1.40	Pa·s
B-8280 : 40°C	0.800 to 1.20	Pa·s
Cream Time	8.0 to 10.0	sec
End of Rise Time	1.0 to 1.2	min
Free Rise Foam Density	240 to 260	kg/m³
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 A)	55 to 68	
Elastomers	**Nominal Value**	**Unit**
Tensile Strength (Break)	7.50 to 9.00	MPa
Tensile Elongation (Break)	340 to 450	%
Tear Strength	24.0 to 33.0	kN/m
Thermoset	**Nominal Value**	**Unit**

Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 100	
Demold Time	5.0 to 7.0	min
Injection	Nominal Value	Unit
Mold Temperature	45.0 to 55.0	℃

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