

Xuchuan A-7050/B-6220

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan A-7050/B-6220 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods. Primary characteristic: low temperature resistant.

General Information		
Features	High Elasticity	
	Low Temperature Resistant	
Uses	Footwear	
Physical	Nominal Value	Unit
Density	0.400 to 0.550	g/cm ³
Density		
A-7050 : 40°C	1.010 to 1.020	g/cm ³
B-6220 : 40°C	1.080 to 1.200	g/cm ³
Viscosity		
A-7050 : 40°C	1.00 to 1.40	Pa·s
B-6220 : 40°C	0.700 to 1.10	Pa·s
Ross Flex (-20°C) ¹	No Crack	
Cream Time	8.0 to 10.0	sec
End of Rise Time	50.0 to 60.0	sec
Free Rise Foam Density	200 to 250	kg/m ³
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)	45 to 65	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	4.00 to 5.50	MPa
Tensile Elongation (Break)	520 to 650	%
Tear Strength	16.0 to 26.0	kN/m
Thermoset	Nominal Value	Unit

Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 68 to 70	
Demold Time	5.0 to 7.0	min
Injection	Nominal Value	Unit
Mold Temperature	45.0 to 55.0	°C
NOTE		
1.	40000 cycles, Break length 4 mm	

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