Xuchuan 6170/B-8280 (Mid-sole)

Polyurethane

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

 $Xuchuan\ 6170/B-8280\ (Mid-sole)\ is\ a\ Polyure than e\ product.\ It\ is\ available\ in\ Asia\ Pacific.\ Typical\ application:\ Consumer\ Goods.$

Characteristics include:

High Strength

Wear Resistant

Physical Nominal Value Unit Density 0.450 to 0.550 g/cm² Density	General Information				
Uses Footwear Physical Nominal Value Unit Density 0.450 to 0.550 g/cm³ Density	Features	Good Abrasion Resistance	Good Abrasion Resistance		
Physical Nominal Value Unit Density 0.450 to 0.550 g/cm² Density		High Strength			
Density 0.450 to 0.550 g/cm² Density -6170: 40°C 1.010 to 1.020 g/cm² B-8280: 40°C 1.080 to 1.200 g/cm³ Viscosity	Uses	Footwear			
Density A-6170: 40°C 1.010 to 1.020 g/cm¹ B-8280: 40°C 1.080 to 1.200 g/cm² Viscosity Viscosity A-6170: 40°C 1.00 to 1.40 Pa·s B-8280: 40°C 0.800 to 1.20 Pa·s Ross Flex (23°C) ¹ No Crack Cream Time 6.0 to 7.0 sec End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Perheat Temperature C Part A 50 to 60 °C Part B 50 to 60 °C Perheat Time 8.0 to 10.0 hr Part B 8.0 to 12.0 hr Processing Temperature °C Part B 4.0 to 45 °C <t< td=""><td>Physical</td><td>Nominal Value</td><td>Unit</td></t<>	Physical	Nominal Value	Unit		
A-6170 : 40°C 1.010 to 1.020 g/cm³ B-8280 : 40°C 1.080 to 1.200 g/cm³ Viscosity A-6170 : 40°C 1.00 to 1.40 Pars B-8280 : 40°C 0.800 to 1.20 Pars Ross Flex (23°C) No Crack Cream Time 6.0 to 7.0 sec End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ 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 10.0 hr Part B 8.0 to 12.0 hr Processing Temperature Part A 40 to 45 °C Part B 40 to 45 °C Hardness Nominal Value Unit	Density	0.450 to 0.550	g/cm³		
B-8280 : 40°C 1.080 to 1.200 g/cm³ Viscosity	Density				
Viscosity A-6170 : 40°C 1.00 to 1.40 Pa's B-8280 : 40°C 0.800 to 1.20 Pa's Ross Flex (23°C) 1 No Crack Cream Time 6.0 to 7.0 sec End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole MW/m Free Rise Foam Density 230 to 260 kM/m Free Rise Foam Density 230 to 60 *C Part B 50 to 60 *C Part B 50 to 60 *C Preheat Time ** ** Part B 8.0 to 10.0 hr Part B 8.0 to 12.0 hr Processing Temperature ** Part A 40 to 45 *C Part B 40 to 45 **C Part B 40 to 45	A-6170 : 40°C	1.010 to 1.020	g/cm³		
A-6170 : 40°C 1.00 to 1.40 Pa·s B-8280 : 40°C 0.800 to 1.20 Pa·s Ross Flex (23°C) ¹ No Crack Cream Time 6.0 to 7.0 sec End of Rise Time 4.00 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Preheat Temperature "C Part B 50 to 60 "C Preheat Time 8.0 to 10.0 hr Part B 8.0 to 12.0 hr Porcessing Temperature Part B 8.0 to 45 "C Part B 40 to 45 "C Part B Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	B-8280 : 40°C	1.080 to 1.200	g/cm³		
B-8280 : 40°C 0.800 to 1.20 Pars Ross Flex (23°C) 1 No Crack Cream Time 6.0 to 7.0 sec End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Preheat Temperature "C Part B 50 to 60 "C Part B 50 to 60 "C Preheat Time 8.0 to 10.0 hr Part B 8.0 to 12.0 hr Porcessing Temperature Part B 40 to 45 "C Hardness Nominal Value Unit	Viscosity				
Ross Flex (23°C) 1 No Crack Cream Time 6.0 to 7.0 sec End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Preheat Temperature VC Part A 50 to 60 °C Part B 50 to 60 °C 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 40 to 45	A-6170 : 40°C	1.00 to 1.40	Pa·s		
Cream Time 6.0 to 7.0 sec End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Preheat Temperature VC Part A 50 to 60 °C Part B 50 to 60 °C Part A 8.0 to 10.0 hr Part B 8.0 to 12.0 hr Pocessing Temperature Part A 40 to 45 °C Part B 40 to 45 </td <td>B-8280 : 40°C</td> <td>0.800 to 1.20</td> <td>Pa·s</td>	B-8280 : 40°C	0.800 to 1.20	Pa·s		
End of Rise Time 40.0 to 50.0 sec Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Preheat Temperature VC Part A 50 to 60 °C Part B 50 to 60 °C 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 40 to 45 °C Part B 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) Nominal Value Unit	Ross Flex (23°C) ¹	No Crack			
Adhesion Strength - Between sole and mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ 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 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Cream Time	6.0 to 7.0	sec		
mid-sole 39.2 to 58.8 kN/m Free Rise Foam Density 230 to 260 kg/m³ Preheat Temperature °C 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 40 to 45 °C Part B Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	End of Rise Time	40.0 to 50.0	sec		
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 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Adhesion Strength - Between sole and mid-sole	39.2 to 58.8	kN/m		
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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 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Preheat Temperature				
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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 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Part B	50 to 60	°C		
Part B 8.0 to 12.0 hr Processing Temperature Part A 40 to 45 °C Part B 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Preheat Time				
Processing Temperature Part A 40 to 45 °C Part B 40 to 45 °C Hardness Nominal Value Unit Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Part A	8.0 to 10.0	hr		
Part A40 to 45°CPart B40 to 45°CHardnessNominal ValueUnitDurometer Hardness (Shore A)45 to 55ElastomersNominal ValueUnit	Part B	8.0 to 12.0	hr		
Part B40 to 45°CHardnessNominal ValueUnitDurometer Hardness (Shore A)45 to 55ElastomersNominal ValueUnit	Processing Temperature				
HardnessNominal ValueUnitDurometer Hardness (Shore A)45 to 55ElastomersNominal ValueUnit	Part A	40 to 45	°C		
Durometer Hardness (Shore A) 45 to 55 Elastomers Nominal Value Unit	Part B	40 to 45	°C		
Elastomers Nominal Value Unit	Hardness	Nominal Value	Unit		
	Durometer Hardness (Shore A)	45 to 55			
Tensile Strength (Break) 3.90 to 7.90 MPa	Elastomers	Nominal Value	Unit		
	Tensile Strength (Break)	3.90 to 7.90	MPa		

Tensile Elongation (Break)	520 to 690	%	
Tear Strength	16.0 to 27.0	kN/m	
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 100		
Part B	Mix Ratio by Weight: 77 to	Mix Ratio by Weight: 77 to 79	
Demold Time	3.0 to 5.0	min	
Injection	Nominal Value	Unit	
Mold Temperature	45.0 to 55.0	°C	
NOTE			
1.	100000 cycles, Break length 4 mm		

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