# Huafon JF-P-2922 / JF-I-2918

## Polyurethane (Polyester based)

Huafon Group Co., Ltd.

### Message:

Characteristic: Low hardness and low density. Application: For the functional shoes, insoles.

40°C 50.20 to 0.50Pa·s40°C 61.2 to 1.6Pa·sCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%Tear Strength> 5.00kN/mNOTE1.Molde Density2.Part B3.Part A	General Information			
Low Hardness     Uses   Fortwar     Forms   Louid     Physical   Nominal Valae   Infl     Density <sup>1</sup> O.200 to 0.320   Gra <sup>n</sup> Hardness   Nominal Valae   Infl     Part A   Markato byweight: 600   Infl     Forta   Markato byweight: 600   Infl     Goler <sup>2</sup> Coler/Tompeter   Infl     Goler <sup>2</sup> Coler/Tompeter   Infl     Goler <sup>2</sup> Coler/Tompeter   Infl     Goler <sup>2</sup> Coler/Tompeter   Infl     Goler <sup>3</sup> 1410 1.18   gra <sup>n</sup> Goler <sup>3</sup> 1410 1.18   Infl     Goler <sup>3</sup> 120 1.00   Infl	Additive	Unspecified Additive		
UsesFootwarFormsLiquidFormsLiquidPhysicalNominal ValueUnitDensity 10.260 to 0.320g/cm³HardnessNominal ValueUnitHardnessAscen C (23°C)2.20 to 3.0Thermoset ComponentsUnitThermoset ComponentsUnitPart AMix Ratio by Weight: 00Part BMix Ratio by Weight: 68 to 70Uncured PropertiesNominal ValueUnitColor 2Clear/TransparetPort BMix Ratio by Weight: 68 to 70Uncured PropertiesNominal ValueUnitColor 2Clear/TransparetViscosityUnit40°C 31.14 to 1.18g/cm³40°C 50.20 to 0.50Part S40°C 61.20 to 6Part S40°C 75.00N/m40°C 85.00N/m40°C 95.00N/mFersile Elongation at Break5.00N/mFordie Elongation at Break5.00N/mFordie Elongation at Break7.00N/m1Midd DensityUnit2Part AY3Part AY4Part AY4Part AY4Part AY<	Features	Low Density		
FormsLiquidPhysicalNominal ValueUnitDensity 10.60 to 0.320g/cm³HardnessNominal ValueUnitHardness - Asker C (23°C)2.0 to 30.0ThemosetNominal ValueUnitThemoset ComponentsPart AMix Ratio by Weight: 100Part BMix Ratio by Weight: 68 to 70Cloor 2Clear/TransparentColor 2Clear/TransparentPort 3Afort 3Afort 3Afort 3Afort 41.14 to 1.18Afort 5Afort 5Afort 5Afort 5Afort 6Afort 7Afort 6 <td></td> <td>Low Hardness</td> <td></td> <td></td>		Low Hardness		
FormsLiquidPhysicalNominal ValueUnitDensity 10.60 to 0.320g/cm³HardnessNominal ValueUnitHardness - Asker C (23°C)2.0 to 30.0ThemosetNominal ValueUnitThemoset ComponentsPart AMix Ratio by Weight: 100Part BMix Ratio by Weight: 68 to 70Cloor 2Clear/TransparentColor 2Clear/TransparentPort 3Afort 3Afort 3Afort 3Afort 41.14 to 1.18Afort 5Afort 5Afort 5Afort 5Afort 6Afort 7Afort 6 <td></td> <td></td> <td></td> <td></td>				
PhysicalNominal ValueUnitDensity 10.260 to 0.320g/cm³HardnessNominal ValueUnitHardness - Asker C (23°C)2.0 to 0.0	Uses	Footwear		
Density 10.260 to 0.320g/cm³HardnessNominal ValueUnitHardness - Asker C (23°C)2.20 to 3.0ThermosetNominal ValueUnitThermoset ComponentsMix Ratio by Weight 100Part AMix Ratio by Weight 68 to 70Part BMix Ratio by Weight 68 to 70Uncured PropertiesNominal ValueUnitColor 2Clear/TransparentDensityClear/Transparent40°C 31.14 to 1.18g/cm³40°C 50.20 to 0.50Par s40°C 50.20 to 0.50Par s40°C 50.20 to 0.50Par s40°C 50.20 to 0.50Par sCured PropertiesNominal ValueUnitTensile Etrength> 1.20MPaTensile Etrength> 5.00kM/mNominal ValueUnitNominal ValuePar sCured PropertiesPart B1.1Molded Density2.2Part B3.4Part B <td>Forms</td> <td>Liquid</td> <td></td> <td></td>	Forms	Liquid		
HardnessNominal ValueUnitHardness - Asker C (23°C)22.0 to 30.0Hardness - Asker C (23°C)22.0 to 30.0ThermosetNominal ValueUnitPart AMix Ratio by Weight: 100Part BMix Ratio by Weight: 68 to 70Uncured PropertiesNominal ValueUnitColor <sup>2</sup> Clear/TransparentDensityClear/Transparent40°C <sup>3</sup> 1.14 to 1.18g/cm³40°C <sup>5</sup> 0.20 to 0.50Par s40°C <sup>5</sup> 0.20 to 0.50Par sCured PropertiesNominal ValueUnit40°C <sup>6</sup> 1.2 to 1.6Par sCured Properties> 5.00KN/mTensile Elongation at Break> 350%7SololSolol%NOTE1.14 to 1.18Par S1And CPart BSolol40°C 5Nominal ValueUnitCured PropertiesNominal ValueSolol1And CPar SCured Properties> 12.0MPaTensile Elongation at Break> 350%1Molded DensitySolol2.1Part BSololSolol3.1Part BSololSolol3.1Part BSololSolol3.2Part BSololSolol3.3Part BSololSolol3.4Part BSololSolol3.5Part BSololSolol3.6Part BSololSolol<		Nominal Value	Unit	
Hardness - Asker C (23°C)22.0 to 30.0ThermosetNominal ValueUnitThermoset ComponentsMix Ratio by Weight 100Part AMix Ratio by Weight 68 to 70Part BMix Ratio by Weight 68 to 70Uncured PropertiesNominal ValueUnitColor 2Color 2Ador 31.14 to 1.18g/cm³4dor 41.8 to 1.20g/cm³4dor 50.20 to 0.50Par s4dor 61.2 to 1.6Par sCured PropertiesVointial ValueUnitCarder Properties350Mir AgenceTensile Strength> 1.20Mir Agence55.00KN/mNotice DensityTensile Strength> 5.007Molded Density1.1Molded Density1.2Ant B2.3Par B3.4Molded Density2.4Par B3.4Par B3.4Par B3.4Molded Density2.4Par B3.4Par B3.4 <td< td=""><td>Density<sup>1</sup></td><td>0.260 to 0.320</td><td>g/cm³</td><td></td></td<>	Density <sup>1</sup>	0.260 to 0.320	g/cm³	
ThermosetNominal ValueUnitThermoset ComponentsMix Ratio by Weight: 100Part AMix Ratio by Weight: 68 to 70Part BMix Ratio by Weight: 68 to 70Uncured PropertiesNominal ValueColor 2Clear/TransparentDensityClear/Transparent40°C 31.14 to 1.1840°C 41.18 to 1.2040°C 50.20 to 0.5040°C 50.20 to 0.5040°C 61.2 to 1.640°C 61.2 to 1.6Cured PropertiesVointTensile Strength> 3.505.00ManaNominal ValueVitNominal ValueVitTensile Elongation at Break> 3.50NOTE1.21.Molded Density2.Part B3.Part A4.Part B3.Part B3.Part B4.Part B4.Part B	Hardness	Nominal Value	Unit	
Thermoset Components   Part A Mix Ratio by Weight: 100   Part B Mix Ratio by Weight: 68 to 70   Uncured Properties Nominal Value Unit   Color <sup>2</sup> Clear/Transparent   Density Clear/Transparent g/cm <sup>a</sup> 40°C <sup>3</sup> 1.14 to 1.18 g/cm <sup>a</sup> 40°C <sup>3</sup> 1.18 to 1.20 g/cm <sup>a</sup> 40°C <sup>5</sup> 0.20 to 0.50 Par s   40°C <sup>5</sup> 0.20 to 0.50 Par s   40°C <sup>6</sup> 1.2 to 1.6 Par s   Cured Properties Nominal Value Unit   Tensile Strength > 1.20 MPa   Tensile Elongation at Break > 350 Kl/m   NOTE Viscolity Strength   1. Molded Density Strength   2. Part B Strength   3. Part B Strength	Hardness - Asker C (23°C)	22.0 to 30.0		
Part AMix Ratio by Weight: 100Part BMix Ratio by Weight: 68 to 70Uncured PropertiesNominal ValueUnitColor 2Clear/TransparentDensityClear/Transparent4°C 31.14 to 1.18g/cm³4°C 41.18 to 1.20g/cm³4°C 50.20 to 0.50Par s4°C 61.2 to 1.6Par sCured PropertiesNominal ValueUnitCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%NOTESolded DensityI1.Molded DensityI2.Part BPart B4.Part BPart B4.Part BPart B	Thermoset	Nominal Value	Unit	
Part BMix Ratio by Weight: 68 to 70Uncured PropertiesNominal ValueUnitColor 2Clear/TransparentDensityClear/Transparent4 o° C 31.14 to 1.18g/cm 34 o° C 41.18 to 1.20g/cm 34 o° C 50.20 to 0.50Pa ·s4 o° C 61.2 to 1.6Pa ·sCured PropertiesNominal ValueUnitTensile Elongation at Break> 350MPaTensile Elongation at Break> 5.00KN/mNOTE1.1KN/m1Molded Density-1Ant B-2Part B-3.1Part B-4.1Part B-4.1Part B-4.1Part B-4.1Part B-4.1Part B-4.1Part B-4.1Part B-4.1Part B4.1Part B	Thermoset Components			
Uncured PropertiesNominal ValueUnitColor 2Clear/TransparentDensityClear/Transparent40°C 31.14 to 1.18g/cm³40°C 41.18 to 1.20g/cm³Viscosity0.20 to 0.50Pars40°C 60.20 to 0.50ParsCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%5.00kN/mNominal ValueNOTEIPart B1.Part BS3.Part BS4.Part BS	Part A	Mix Ratio by Weight: 100		
Color 2Clear/TransparentDensity40°C 31.14 to 1.18g/cm340°C 41.18 to 1.20g/cm3Viscosity40°C 50.20 to 0.50Pa ·s40°C 61.2 to 1.6Pa ·sCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%NOTE1.1Nolded Density1.Molded Density2.Part B3.Part A4.Part B	Part B	Mix Ratio by Weight: 68 to 70		
Density     40°C <sup>3</sup> 1.14 to 1.18   g/cm <sup>3</sup> 40°C <sup>4</sup> 1.8 to 1.20   g/cm <sup>3</sup> Viscosity   1.8 to 1.20   g/cm <sup>3</sup> 40°C <sup>5</sup> 0.20 to 0.50   Pars     40°C <sup>6</sup> 1.2 to 1.6   Pars     Cured Properties   Nominal Value   Unit     Tensile Strength   > 1.20   MPa     Tensile Elongation at Break   > 350   %     NOTE    Nolded Density     1.   Molded Density      2.   Part B   Part A     4.   Part B   Fersite Strength   Part B	Uncured Properties	Nominal Value	Unit	
40°C 31.14 to 1.18g/cm340°C 41.18 to 1.20g/cm3Viscosity9a^c 50.20 to 0.50Pa · s40°C 61.2 to 1.6Pa · sCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%Tensile Elongation at Break> 5.00kN/mNOTE1.Molded Density2.Part B.3.Part A.4.Part B.	Color <sup>2</sup>	Clear/Transparent		
40°C <sup>4</sup> 1.18 to 1.20   g/cm <sup>3</sup> Viscosity	Density			
Viscosity   Paris     40°C <sup>5</sup> 0.20 to 0.50   Paris     40°C <sup>6</sup> 1.2 to 1.6   Paris     Cured Properties   Nominal Value   Unit     Tensile Strength   > 1.20   MPa     Tensile Elongation at Break   > 350   %     Tear Strength   > 5.00   kN/m     NOTE   Volded Density   Volded Density     1.   Molded Density   Second Density     3.   Part B   Part B	40°C <sup>3</sup>	1.14 to 1.18	g/cm³	
40°C 50.20 to 0.50Pa·s40°C 61.2 to 1.6Pa·sCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%Tear Strength> 5.00kN/mNOTE1.Molded Density2.Part B3.Part A4.Part B	40°C <sup>4</sup>	1.18 to 1.20	g/cm³	
40°C 61.2 to 1.6Pa·sCured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%Tear Strength> 5.00kN/mNOTE1.Molded Density2.Part B3.Part A4.Part B	Viscosity			
Cured PropertiesNominal ValueUnitTensile Strength> 1.20MPaTensile Elongation at Break> 350%Tear Strength> 5.00kN/mNOTE1.Moled Density2.Part B3.Part A4.Part B	40°C <sup>5</sup>	0.20 to 0.50	Pa·s	
Tensile Strength> 1.20MPaTensile Elongation at Break> 350%Tear Strength> 5.00kN/mNOTE1.Molded Density2.Part B3.Part A4.Part B	40°C <sup>6</sup>	1.2 to 1.6	Pa·s	
Tensile Elongation at Break> 350%Tear Strength> 5.00kN/mNOTE1.Molded Density2.Part B3.Part A4.Part B	Cured Properties	Nominal Value	Unit	
Tear Strength> 5.00kN/mNOTE1.Molded Density2.Part B3.Part A4.Part B	Tensile Strength	> 1.20	MPa	
NOTE1.Molded Density2.Part B3.Part A4.Part B	Tensile Elongation at Break	> 350	%	
1.Molded Density2.Part B3.Part A4.Part B	Tear Strength	> 5.00	kN/m	
2.Part B3.Part A4.Part B	NOTE			
3.   Part A     4.   Part B	1.	Molded Density		
4. Part B	2.	Part B		
	3.	Part A		
5. Part B	4.	Part B		
	5.	Part B		

#### Part A

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