Magnobond 3106

Epoxy; Epoxide

Magnolia Plastics, Inc.

Message:

Magnobond 3106 is an Epoxy; Epoxide (Epoxy) product. It is available in North America. Typical application: Sealing Applications. Characteristics include: Flame Rated Flame Retardant Moisture Resistant

Additive Flame Retardant Features Flame Retardant Good Electrical Properties Moisture Resistant Uters Sealants Ut Fle Number B3708 Forms Liquid Physical Nominal Value Vater Absorption (24 hr) 1.40 Odd y/Gra*a Marinal Value Vin/K Vater Absorption (24 hr) 0.24 Nominal Value Vin/K Marinal Value Vin/K Thermal Nominal Value Nominal Value Vin/K Starte Resistivity 0.54 Odditume Resistivity 0.54 Volume Resistivity 0.54 Surface Resistivity 0.54 Nominal Value Vint Surface Resistivity 0.54 Nominal Value Vint Surface Resistivity 0.64 Nominal Value Vint Surface Resistivity 0.61 Surface Resistivity 0.61 Surface Resistivity 0.01 Surface Resistinity Vint	General Information				
Fastures Fläne Retardant Good Electrical Properties Misiture Resistant UUE lie Number 683708 DUT Jie Number 183708 Forms Lauid Physical Norminal Value Optical Gravity 140 Specific Gravity 140 Optical Gravity 0,24 Norminal Value Vin/Y Mater Absorption (24 hr) 0,54 Osfant Conductivity 0,54 Volume Resistivity 0,54 Volume Resistivity 0,541 Volume Resistivity 0,641 Volume Resistivity 0,641 Volume Resistivity 0,641 Volume Resistivity 0,6141 Volume Resistivity 0,6141 Volume Resistivity 0,8141040 Volume Resistivity 0,8141040 Volume Resistivity 0,8141040 Volume Resistiv	UL YellowCard	E83708-251207			
God Electrical Properties Motisture ResistantUsesselantsUsesselantsUsesteamaFormsLiquidPhysicalNominal ValueSpecific Gravity140Quantgran ^a Stat Absorption (24 hr)0.24Nominal ValueQin?ThermalNominal ValueThermalNominal ValueStat Absorption (24 hr)0.54Stat Absorption (24 hr)0.54Stat Absorption (24 hr)0.54Stat Gravity0.54Stat Gravity0.51Stat Resistivity0.54Stat Resistivity0.54Stat Resistivity0.54Stat Resistivity0.54Nominal ValueUnitStat Resistivity0.54Nominal Value0.10Stat Resistivity0.54Nominal ValueUnitStat Resistivity0.54Nominal ValueUnitStat Resistivity0.91Stat Resistivity0.91<	Additive	Flame Retardant			
Moisture ResistantUsesSelantsUsesSelantsFormaLiquidFormaLiquidPhysicalNominal ValueSpecific Gravity1.40QuardgravitaSpecific Gravity0.41Nominal ValueVin/YactThermalNominal ValueBernardNominal ValueStaffe Resistivity0.54Surface Resistivity0.54.10Surface Resistivity0.54.10Surface Resistivity0.54.11Surface Resistivity1.54.11Surface Resistivity1.54.11 <td>Features</td> <td>Flame Retardant</td> <td></td> <td></td>	Features	Flame Retardant			
UseSealantsULFIE NumberE83708FormsLiquidPhysicalNominal ValueVin1PhysicalNominal Valueg/cm³Specific Gravity1.40g/cm³Vater Absorption (24 hr)0.24%Nominal ValueVin1Test MethodThermalNominal ValueVin1Thermal0.54W/m/KStaffac Resistivity5.0E×16ohmsSurface Resistivity5.0E×16ohmsVolume Resistivity0.61*16ohmsSurface Resistivity0.7E×15uL9 4Staffac Resistivity0.7E×15uL9 4Staffac Resistivity0.7E×15uL9 4Surface Resistivity0.7E×15uL9 4Staffac Resistivity0.7E×15uL9 4Staffac Resistivity0.7E×15uL9 4Staffac Resistivity0.7E×15uL9 4Annon VT, VL, BLNominal ValueVolume re: 10Thermoset ComponentsuL9 4uL9 4HardenerMix Ratio by Weight: 10, Mix Ratio Vulume: 10uL9 4Pot Life (25°C)80minSheft Life60wkuL9 4Sheft Life1600infanceuL9 4Sheft Life1600infanceuL9 4Sheft Life1600infanceuL9 4Sheft Life Corol1600infanceuL9 4Sheft Life Corol1600infanceuL9 4Sheft Life Corol1600infanceuL9 4Sheft Life Corol		Good Electrical Properties			
UL File NumberE83708FormsLiquidPhysicalNominal ValueUnitSpecific Gravity1.40g/cm³A STM D792%A STM D792Water Absorption (24 hr)0.24%A STM D570ThermalNominal ValueUnitTest MethodThermal Conductivity0.54W/m/KA STM C177BetercicalNominal ValueUnitTest MethodSurface Resistivity5.0E+16ohms cmA STM D257Volume Resistivity1.0E+15ohms cmA STM D257Flarme RatingV-1Test MethodD194I Star Mann VT, YL, BLV-1Test MethodRemoetV-0Test MethodTest MethodThermosetNominal ValueUnitTest MethodReferenceNominal ValueUnitTest MethodBremosetV-1Test MethodTest MethodBremosetNominal ValueUnitTest MethodPremosetNominal ValueUnitTest MethodReferenceNominal ValueUnitTest MethodReferenceNominal ValueUnitTest MethodReferenceMix Ratio by Weight: 100, Mix RatioTest MethodReferenceMix Ratio by Weight: 12, Mix RatioVolume: 18Pot Life (25°C)80minTest MethodShelf Life26wkTest MethodPremoset Mix Viscosity1600ip ASTM D233Denold TimeStM D233ip A		Moisture Resistant			
UL File NumberE83708FormsLiquidPhysicalNominal ValueUnitSpecific Gravity1.40g/cm³A STM D792%A STM D792Water Absorption (24 hr)0.24%A STM D570ThermalNominal ValueUnitTest MethodThermal Conductivity0.54W/m/KA STM C177BetercicalNominal ValueUnitTest MethodSurface Resistivity5.0E+16ohms cmA STM D257Volume Resistivity1.0E+15ohms cmA STM D257Flarme RatingV-1Test MethodD194I Star Mann VT, YL, BLV-1Test MethodRemoetV-0Test MethodTest MethodThermosetNominal ValueUnitTest MethodReferenceNominal ValueUnitTest MethodBremosetV-1Test MethodTest MethodBremosetNominal ValueUnitTest MethodPremosetNominal ValueUnitTest MethodReferenceNominal ValueUnitTest MethodReferenceNominal ValueUnitTest MethodReferenceMix Ratio by Weight: 100, Mix RatioTest MethodReferenceMix Ratio by Weight: 12, Mix RatioVolume: 18Pot Life (25°C)80minTest MethodShelf Life26wkTest MethodPremoset Mix Viscosity1600ip ASTM D233Denold TimeStM D233ip A					
FormsLiquidPhysicalNominal ValueUnitTest MethodSpecific Gravity1.40g/cm³ASTM D792Water Absorption (24 hr)0.24%ASTM D570ThermalNominal ValueUnitTest MethodThermal Conductivity0.54W/m/KASTM C177ElectricalNominal ValueUnitTest MethodSurface Resistivity5.0E + 16ohms · cmASTM D257Volume Resistivity1.0E + 15ohms · cmASTM D257PlarmabilityNominal ValueUnitTest MethodFlarmabilityNominal ValueUnitTest MethodStaff ComponentsV-1Test MethodUL 94Thermoset ComponentsV-1Test MethodFlarenerMix Ratio by Weight: 100, Mix Ratio by Volume: 10Test MethodResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18Test MethodPot Life (25°C)80minTest MethodSheff Life600kixStM D2393Denield Time1600cPASTM D2393	Uses	Sealants			
PhysicalNominal ValueUnitTest MethodSpecific Gravity1.40g/cm³ASTM D792Water Absorption (24 hr)0.24%ASTM D570ThermalNominal ValueUnitTest MethodThermal Conductivity0.54W/m/KASTM D277ElectricalNominal ValueUnitTest MethodSurface Resistivity5.0E + 16ohms · cmASTM D257Volume Resistivity1.0E + 15ohms · cmASTM D257FlarmabilityNominal ValueUnitTest MethodFlarmabilityNominal ValueUnitTest MethodS 1.8 mm, WT, YL, BLV-1UstUl 94Astmoset ComponentsV-0UnitTest MethodThermosetNominal ValueUnitTest MethodResinMix Ratio by Weight: 100, Mix Ratio by Volume: 100Stelf LifeResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18Stelf LifePot Life (25°C)80minStelf LifeShelf Life26wkStelf D233Emendet Time1600cPASTM D2393	UL File Number	E83708			
Specific Gravity 1.40 g/cm³ ASTM D792 Water Absorption (24 hr) 0.24 % ASTM D570 Thermal Nominal Value Unit Test Method Thermal Conductivity 0.54 W/m/K ASTM D792 Electrical Nominal Value Unit Test Method Surface Resistivity 5.0E + 16 ohms of the max ASTM D257 Volume Resistivity 1.0E + 15 ohms of the max ASTM D257 Flammability Nominal Value Unit Test Method Flame Rating Nominal Value Unit Test Method 3.18 mm, WT, YL, BL V-1 UL 94 3.18 mm Thermoset V-0 Unit Test Method Thermoset Components V-0 Unit Test Method Resin Mix Ratio by Weight: 100, Mix Ratio by Volume: 100 Test Method Resin Mix Ratio by Weight: 12, Mix Ratio by Volume: 18 UL Pot Life (25°C) 80 min Self Life Shelf Life 26 wk Mix Ratio B	Forms	Liquid			
Water Absorption (24 hr)0.24%ASTM D570ThermalNominal ValueUnitTest MethodThermal Conductivity0.54W/m/KASTM C177ElectricalNominal ValueUnitTest MethodSurface Resistivity5.0E+16ohmsASTM D257Volume Resistivity1.0E+15ohms ·cmASTM D257FlammabilityNominal ValueUnitTest MethodFlame RatingV-1Test MethodUL 943.18 mm, WT, YL, BLV-1V-1V-1ThermosetV-0Test MethodTest MethodThermoset ComponentsV-0Test MethodTest MethodHardenerMix Ratio by Weight: 100, Mix Ratio V- Volume: 100Test MethodResinMix Ratio by Weight: 12, Mix Ratio V- Volume: 100Test MethodPot Life (25°C)80minTest MethodShelf Life26wkASTM D233Demold Time1600cPASTM D233	Physical	Nominal Value	Unit	Test Method	
Thermal Nominal Value Unit Test Method Thermal Conductivity 0.54 W/m/K ASTM C177 Electrical Nominal Value Unit Test Method Surface Resistivity 5.0E+16 ohms ASTM D257 Volume Resistivity 1.0E+15 ohms cm ASTM D257 Flammability Nominal Value Unit Test Method Flam Rating V-1 Test Method UL 94 3.18 mm, WT, YL, BL V-1 V-0 Test Method Thermoset Nominal Value Unit Test Method Thermoset Components V-0 Test Method Test Method Hardener Mix Ratio by Weight: 100, Mix Ratio Volume: 100 Test Method Test Method Resin Mix Ratio by Weight: 12, Mix Ratio Volume: 18 Test Method Test Method Shelf Life 26 wk Test Method ASTM D2393 Shelf Life 1600 cP ASTM D2393 ASTM D2393	Specific Gravity	1.40	g/cm³	ASTM D792	
Thermal Conductivity0.54W/m/KASTM C177ElectricalNominal ValueUnitTest MethodSurface Resistivity5.0E+16ohmsASTM D257Volume Resistivity1.0E+15ohms cmASTM D257FlammabilityNominal ValueUnitTest MethodFlame RatingV-1Test MethodV3.18 mm, WT, YL, BLV-1V-1VBKV-0Test MethodTest MethodThermosetNominal ValueUnitTest MethodThermoset ComponentsV-0Test MethodVHardenerMix Ratio by Weight: 100, Mix Ratio Volume: 100Test MethodResinMix Ratio by Weight: 100, Mix Ratio Volume: 100Test MethodPot Life (25°C)80minTest MethodShelf Life26wkTest MethodThermoset Mix Viscosity1600cPASTM D2393	Water Absorption (24 hr)	0.24	%	ASTM D570	
Electrical Nominal Value Unit Test Method Surface Resistivity 5.0E+16 ohms ASTM D257 Volume Resistivity 1.0E+15 ohms · cm ASTM D257 Flammability Nominal Value Unit Test Method Flammability Nominal Value Unit Test Method Flame Rating V-0 UL 94 3.18 mm, WT, YL, BL V-0 Thermoset V-0 Test Method Test Method Thermoset Components Nominal Value Unit Test Method Hardener Mix Ratio by Weight: 100, Mix Ratio Volume: 100 Test Method Resin Mix Ratio by Weight: 12, Mix Ratio Volume: 100 Test Method Shelf Life 26 wk Test Method Thermoset Mix Viscosity 1600 cP ASTM D2393	Thermal	Nominal Value	Unit	Test Method	
Surface Resistivity 5.0E+16 ohms ASTM D257 Volume Resistivity 1.0E+15 ohms · cm ASTM D257 Flammability Nominal Value Unit Test Method Flame Rating U.1 Test Method UL 94 3.18 mm, WT, YL, BL V-1 V-1 V-1 V-1 BK V-0 V-1 Test Method Thermoset V-0 V-1 Test Method Thermoset Components V-0 V-1 Test Method Hardener Nominal Value Unit Test Method Thermoset Components V-1 Stel Life (25°C) Mix Ratio by Weight: 12, Mix Ratio Volume: 100 Resin Mix Ratio by Weight: 12, Mix Ratio Volume: 18 V-1 V-1 Pot Life (25°C) 80 min V-1 Shelf Life 26 wk V-1 Thermoset Mix Viscosity 1600 cP ASTM D2393	Thermal Conductivity	0.54	W/m/K	ASTM C177	
Volume Resistivity1.0E+15ohms·cmASTM D257FlammabilityNominal ValueUnitTest MethodFlame RatingV-1UL 943.18 mm, WT, YL, BLV-1V-1BKV-0Test MethodThermosetNominal ValueUnitTest MethodThermoset ComponentsNix Ratio by Weight: 100, Mix Ratio by Volume: 100Test MethodResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18V-1Pot Life (25°C)80minV-1Shelf Life26wkStM D2393Thermoset Mix Viscosity1600cPASTM D2393	Electrical	Nominal Value	Unit	Test Method	
FlammabilityNominal ValueUnitTest MethodFlame RatingUL 943.18 mm, WT, YL, BLV-1BKV-0ThermosetNominal ValueUnitThermoset ComponentsMix Ratio by Weight: 100, Mix Ratio by Volume: 100ResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18Pot Life (25°C)80minShelf Life26wkThermoset Mix Viscosity1600cPDemold TimeStim D2393	Surface Resistivity	5.0E+16	ohms	ASTM D257	
Flame Rating UL 94 3.18 mm, WT, YL, BL V-1 BK V-0 Thermoset Nominal Value Unit Thermoset Components Mix Ratio by Weight: 100, Mix Ratio by Volume: 100 Test Method Resin Mix Ratio by Weight: 12, Mix Ratio by Volume: 18 Image: Component S Pot Life (25°C) 80 min Shelf Life 26 wk Thermoset Mix Viscosity 1600 cP ASTM D2393	Volume Resistivity	1.0E+15	ohms•cm	ASTM D257	
3.18 mm, WT, YL, BLV-1BKV-0ThermosetNominal ValueUnitTest MethodThermoset ComponentsMix Ratio by Weight: 100, Mix Ratio Volume: 100HardenerMix Ratio by Weight: 12, Mix Ratio Volume: 100ResinMix Ratio by Weight: 12, Mix Ratio Volume: 18Pot Life (25°C)80minShelf Life26wkThermoset Mix Viscosity1600cPASTM D2393	Flammability	Nominal Value	Unit	Test Method	
BKV-0ThermosetNominal ValueUnitTest MethodThermoset ComponentsHardenerMix Ratio by Weight: 100, Mix Ratio by Volume: 100Image: 100ResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18Image: 100Pot Life (25°C)80minImage: 100Shelf Life26wkImage: 100Thermoset Mix Viscosity1600cPASTM D2393Demold TimeImage: 100Image: 100Image: 100	Flame Rating			UL 94	
Thermoset Nominal Value Unit Test Method Thermoset Components Iteration of the state of th	3.18 mm, WT, YL, BL	V-1			
Thermoset Components Hardener Mix Ratio by Weight: 100, Mix Ratio by Volume: 100 Resin Mix Ratio by Weight: 12, Mix Ratio by Volume: 18 Pot Life (25°C) 80 min Shelf Life 26 wk Thermoset Mix Viscosity 1600 cP ASTM D2393 Demold Time Sterme Ster	ВК	V-0			
HardenerMix Ratio by Weight: 100, Mix Ratio by Volume: 100ResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18Pot Life (25°C)80minShelf Life26wkThermoset Mix Viscosity1600cPASTM D2393Demold TimeKenter State Stat	Thermoset	Nominal Value	Unit	Test Method	
ResinMix Ratio by Weight: 12, Mix Ratio by Volume: 18Pot Life (25°C)80minShelf Life26wkThermoset Mix Viscosity1600cPASTM D2393Demold TimeKernel Kernel Kern	Thermoset Components				
Pot Life (25°C) 80 min Shelf Life 26 wk Thermoset Mix Viscosity 1600 cP ASTM D2393 Demold Time C C C	Hardener	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100			
Shelf Life 26 wk Thermoset Mix Viscosity 1600 cP ASTM D2393 Demold Time	Resin	Mix Ratio by Weight: 12, Mix Ratio by Volume: 18			
Thermoset Mix Viscosity 1600 cP ASTM D2393 Demold Time	Pot Life (25°C)	80	min		
Demold Time	Shelf Life	26	wk		
	Thermoset Mix Viscosity	1600	cP	ASTM D2393	
25°C 480 to 720 min	Demold Time				
	25°C	480 to 720	min		

85℃	10 to 20	min
100°C	5.0 to 10	min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

