

Humiseal 1B73 Acrylic Conformal Coating

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Humiseal 1B73 Acrylic Conformal Coating High moisture resistance Excellent dielectrical properties Selective chemical resistance Excellent repairability UL Approved MIL-I-46058C Approved Passes thermal shock test (MIL-I-46058C) Flammability (self extinguishing) (ASTM D635) Poor resistance to solvents (IPC CC 830) Recommended Stripper: 1080 Recommended Thinner: 73 Cure Type: Room Temp or Heat

Order this product through the following link:

http://www.lookpolymers.com/polymer_Humiseal-1B73-Acrylic-Conformal-Coating.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1475
Solids Content	30 %	30 %	Fed Std 141 Method 4044
Volatile Organic Compounds (VOC) Content	647 g/l	647 g/l	
Viscosity	270 cP	270 cP	Fed Std Method 4287

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	0.01107 GPa	1.606 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 Åµm/m-Å°C @Temperature 20.0 Å°C	30.6 Åµin/in-Å°F @Temperature 68.0 Å°F	
Maximum Service Temperature, Air	125 Å°C	257 Å°F	
Minimum Service Temperature, Air	-65.0 Å°C	-85.0 Å°F	
Glass Transition Temp, Tg	43.0 Å°C	109 Å°F	
Flash Point	-1.11 Å°C	30.0 Å°F	ASTM D56

Electrical Properties	Metric	English	Comments
Surface Resistance	7.20e+10 ohm	7.20e+10 ohm	Moisture Resistance; MIL-I-46058C
Insulation Resistance	5.50e+14 ohm	5.50e+14 ohm	Insulation Resistance; MIL-I-46058C
Dielectric Constant	2.6	2.6	ASTM D1 50 65T
Dielectric Breakdown	>= 1500 V	>= 1500 V	Dielectric Withstand; MIL-I-46058C
Dissipation Factor	0.010	0.010	ASTM D1 50 65T

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	Dry Time to Handling; Fed Std 141 4061
	30.0 min	0.500 hour	
	@Temperature 170 Â°C	@Temperature 338 Â°F	
	>= 1440 min	>= 24.0 hour	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Descriptive Properties	Value	Comments
Coverage	480 ftÂ²/gal	

Contact Songhan Plastic Technology Co.,Ltd.

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