

Humiseal 2A64 Urethane Conformal Coating

Category : Polymer , Adhesive , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Adhesive

Material Notes:

Humiseal 2A64 Urethane Conformal Coating High moisture resistance Excellent dielectrical properties Excellent chemical resistance Repairable MIL-I-46058C Approved Passes thermal shock test (MIL-I-46058C) Flammability (self extinguishing) (ASTM D635) Excellent resistance to solvents (IPC CC 830) Recommended Stripper: 1071 Recommended Thinner: 24 Cure Type: Heat

Order this product through the following link:

http://www.lookpolymers.com/polymer_Humiseal-2A64-Urethane-Conformal-Coating.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0385 lb/in ³	ASTM D1475
Solids Content	55 %	55 %	Fed Std 141 Method 4044
Volatile Organic Compounds (VOC) Content	501 g/l	501 g/l	
Viscosity	150 cP	150 cP	Fed Std Method 4287

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	0.074980 GPa	10.875 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	140 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	77.8 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	125 $\text{Å}^\circ\text{C}$	257 $\text{Å}^\circ\text{F}$	
Minimum Service Temperature, Air	-65.0 $\text{Å}^\circ\text{C}$	-85.0 $\text{Å}^\circ\text{F}$	
Glass Transition Temp, Tg	40.0 $\text{Å}^\circ\text{C}$	104 $\text{Å}^\circ\text{F}$	
Flash Point	26.7 $\text{Å}^\circ\text{C}$	80.0 $\text{Å}^\circ\text{F}$	ASTM D56

Electrical Properties	Metric	English	Comments
Surface Resistance	4.80e+10 ohm	4.80e+10 ohm	Moisture Resistance; MIL-I-46058C
Insulation Resistance	4.50e+14 ohm	4.50e+14 ohm	Insulation Resistance; MIL-I-46058C
Dielectric Constant	3.5	3.5	ASTM D1 50 65T
Dielectric Breakdown	≥ 1500 V	≥ 1500 V	Dielectric Withstand; MIL-I-46058C
Dissipation Factor	0.024	0.024	ASTM D1 50 65T

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	180 min	3.00 hour	Dry Time to Handling; Fed Std 141 4061
	180 min	3.00 hour	
	@Temperature 76.7 Â°C	@Temperature 170 Â°F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Descriptive Properties	Value	Comments
Coverage	470 ftÂ²/gal	

Contact Songhan Plastic Technology Co.,Ltd.

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