

Humiseal 1C65 Silicone Conformal Coating

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone, RTV, Adhesive/Sealant Grade

Material Notes:

Humiseal 1C65 Silicone Conformal Coating High temperature resistance Good dielectrical properties Good moisture resistance Repairable UL Approval Pending MIL-I-46058C Approval Pending Passes thermal shock test (MIL-I-46058C) Flammability (self extinguishing) (ASTM D635) Good resistance to solvents (IPC CC 830) Recommended Stripper: 1090 Cure Type: Room Temperature

Order this product through the following link:

http://www.lookpolymers.com/polymer_Humiseal-1C65-Silicone-Conformal-Coating.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	ASTM D1475
Solids Content	94 %	94 %	Fed Std 141 Method 4044
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Viscosity	270 cP	270 cP	Fed Std Method 4287

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	0.00459 GPa	0.665 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	100 Âµm/m-Â°C @Temperature 20.0 Â°C	55.6 Âµin/in-Â°F @Temperature 68.0 Â°F	
Maximum Service Temperature, Air	200 Â°C	392 Â°F	
Minimum Service Temperature, Air	-65.0 Â°C	-85.0 Â°F	
Glass Transition Temp, Tg	>= 200 Â°C	>= 392 Â°F	
Flash Point	>= 37.8 Â°C	>= 100 Â°F	ASTM D56

Electrical Properties	Metric	English	Comments
Surface Resistance	5.00e+10 ohm	5.00e+10 ohm	Moisture Resistance; MIL-I-46058C
Insulation Resistance	5.00e+14 ohm	5.00e+14 ohm	Insulation Resistance; MIL-I-46058C
Dielectric Constant	2.5	2.5	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	10.0 - 30.0 min	0.167 - 0.500 hour	Dry Time to Handling; Fed Std 141 4061
	15.0 - 60.0 min	0.250 - 1.00 hour	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Descriptive Properties	Value	Comments
Coverage	1600 ftÅ²/gal	

Contact Songhan Plastic Technology Co.,Ltd.

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