

Dow Corning 3-4130 DIELECTRIC GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, clear, heat cure, low extractables. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-3-4130-DIELECTRIC-GEL-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	440 µm/m-°C	244 µin/in-°F	
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.90e+14 ohm-cm	2.90e+14 ohm-cm	
Dielectric Constant	2.88	2.88	
	@Frequency 100 Hz	@Frequency 100 Hz	
	2.88	2.88	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	18.5 kV/mm	470 kV/in	
Dissipation Factor	<= 0.00010	<= 0.00010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.0010	0.0010	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	4.00 min	0.0667 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	5.50 min	0.0917 hour	
	@Temperature 125 °C	@Temperature 257 °F	

Processing Properties	Metric ^{7.52 min}	English ^{2.125 hour}	Comments
	@Temperature 100 °C	@Temperature 212 °F	
	2880 min	48.0 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	clear	
Flowable	yes	
Gel Hardness (Grams/Penetration)	155	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	330	

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