

Dow Corning 3-4207 DIELECTRIC TOUGH GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, translucent green, fast RT or heat cure, tough, primerless chemical adhesion, UV indicator, and UL 94 V-1 flammability classification. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-3-4207-DIELECTRIC-TOUGH-GEL-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	430 cP	430 cP	dynamic

Thermal Properties	Metric	English	Comments
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	7.10e+13 ohm-cm	7.10e+13 ohm-cm	
Dielectric Constant	2.85	2.85	
	@Frequency 100 Hz	@Frequency 100 Hz	
	2.86	2.86	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	16.5 kV/mm	420 kV/in	
Dissipation Factor	<= 0.00010	<= 0.00010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.030	0.030	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	5.00 min	0.0833 hour	

Processing Properties	@Temperature 75.0 °C Metric	@Temperature 167 °F English	Comments
	10.0 min	0.167 hour	
	@Temperature 50.0 °C	@Temperature 122 °F	
	15.0 - 90.0 min	0.250 - 1.50 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Appearance	translucent	
Color	green	
Flowable	yes	
Gel Hardness (Grams/Penetration)	9490	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	10	

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