

Dow Corning 3-4154 DIELECTRIC GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, clear, RT or heat cure. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-3-4154-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	
Viscosity	550 cP	550 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	45	45	

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	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	2.87	2.87	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	2.87	2.87	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	17.7 kV/mm	450 kV/in	
Dissipation Factor	0.00010	0.00010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	0.0030	0.0030	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	105 min	1.75 hour	

Processing Properties	@Temperature 100 °C Metric	@Temperature 212 °F English	Comments
	180 min	3.00 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
	240 min	4.00 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)	120	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	30	

Contact Songhan Plastic Technology Co.,Ltd.

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