

Dow Corning FLUOROGEL® Q3-6679 DIELECTRIC GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, clear, RT or heat cure, solvent and fuel resistant. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-FLUOROGEL-Q3-6679-DIELECTRIC-GEL-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	1200 cP	1200 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	30	30	

Thermal Properties	Metric	English	Comments
CTE, linear	690 µm/m-°C	383 µin/in-°F	
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+12 ohm-cm	2.00e+12 ohm-cm	
Dielectric Constant	7.12	7.12	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	7.6	7.6	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.0040	0.0040	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	0.0090	0.0090	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1440 - 10100 min	24.0 - 168 hour	

Processing Properties	@Temperature 22.0 °C Metric	@Temperature 71.6 °F English	Comments
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	clear	
Flowable	yes	
Gel Hardness (Grams/Penetration)	185	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	>240	

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