

Dow Corning Q3-6575 DIELECTRIC GEL A/B KIT

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, clear, RT or heat cure and low temperature (-80°C/-112°F) stability. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-Q3-6575-DIELECTRIC-GEL-AB-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	750 cP	750 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	80	80	

Thermal Properties	Metric	English	Comments
CTE, linear	405 µm/m-°C	225 µin/in-°F	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-80.0 °C	-112 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.82	2.82	
	@Frequency 100 Hz	@Frequency 100 Hz	
	2.83	2.83	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	17.7 kV/mm	450 kV/in	
Dissipation Factor	<= 0.00010	<= 0.00010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.0020	0.0020	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	20.0 min	0.333 hour	

Processing Properties	@Temperature 100 °C Metric	@Temperature 212 °F English	Comments
	40.0 min	0.667 hour	
	@Temperature 70.0 °C	@Temperature 158 °F	
	300 - 1440 min	5.00 - 24.0 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)	70	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	20	

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