

Dow Corning 3-6635 DIELECTRIC GEL

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

One-part, heat cure, with 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-3-6635-DIELECTRIC-GEL.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	720 cP	720 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	>= 70	>= 70	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-80.0 °C	-112 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.80e+13 ohm-cm	4.80e+13 ohm-cm	
Dielectric Constant	2.83	2.83	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	2.84	2.84	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	20.5 kV/mm	520 kV/in	
	<= 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	50.0 min	0.833 hour	

Processing Properties	@Temperature 125 °C Metric	@Temperature 257 °F English	Comments
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Appearance	clear	
Flowable	yes	
Gel Hardness (Grams/Penetration)	75	
Self Leveling	yes	
Water Resistant	yes	

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