

Dow Corning SLYGARD® 3-6636 SILICONE DIELECTRIC GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone, RTV, Encapsulation Grade

Material Notes:

Two-part, transparent, LED encapsulant which is a lower-viscosity version of EG-6301. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-SLYGARD-3-6636-SILICONE-DIELECTRIC-GEL-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	3300 cP	3300 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	55	55	

Thermal Properties	Metric	English	Comments
CTE, linear	730 µm/m-°C	406 µin/in-°F	
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.10e+15 ohm-cm	1.10e+15 ohm-cm	
Dielectric Constant	2.85	2.85	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	2.86	2.86	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	16.3 kV/mm	415 kV/in	
	<= 0.00010	<= 0.00010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.0030	0.0030	

Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Cure Time	180 - 1440 min	3.00 - 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)	100	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	20	

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