

Dow Corning 3-4680 SILICONE GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Two-part, transparent blue, fast RT or heat cure, low viscosity. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-3-4680-SILICONE-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	265 cP	265 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	>= 65	>= 65	

Thermal Properties	Metric	English	Comments
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	3.60e+15 ohm-cm	3.60e+15 ohm-cm	
Dielectric Constant	2.75	2.75	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	2.75	2.75	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	15.7 kV/mm	400 kV/in	
Dissipation Factor	0.00010	0.00010	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	<= 0.0010	<= 0.0010	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1.50 min	0.0250 hour	
	@Temperature 125 °C	@Temperature 257 °F	
	15.0 - 30.0 min	0.250 - 0.500 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	transparent	
Color	blue	
Flowable	yes	
Gel Hardness (Grams/Penetration)	85	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	<10	

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