

## Dow Corning 3-4150 DIELECTRIC GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-3-4150-DIELECTRIC-GEL-KIT.php](http://www.lookpolymers.com/polymer_Dow-Corning-3-4150-DIELECTRIC-GEL-KIT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc @Temperature 25.0 °C	0.970 g/cc @Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	50	50	

Thermal Properties	Metric	English	Comments
CTE, linear	400 µm/m-°C	222 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	7.00e+15 ohm-cm	7.00e+15 ohm-cm	
Dielectric Constant	2.85 @Frequency 100 Hz	2.85 @Frequency 100 Hz	
	2.85 @Frequency 100000 Hz	2.85 @Frequency 100000 Hz	
Dielectric Strength	15.2 kV/mm	385 kV/in	
Dissipation Factor	0.00010 @Frequency 100000 Hz	0.00010 @Frequency 100000 Hz	
	0.0020 @Frequency 100 Hz	0.0020 @Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	45.0 - 90.0 min	0.750 - 1.50 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	translucent	
Color	green	
Flowable	yes	
Gel Hardness (Grams/Penetration)	105	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	5	

## Contact Songhan Plastic Technology Co.,Ltd.

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