

## Dow Corning 3-4190 SILICONE GEL KIT

Category : Polymer , Thermoset , Silicone

### Material Notes:

Two-part, transparent green, RT or heat cure, low viscosity, long shelf life. Information provided by Dow Corning

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-3-4190-SILICONE-GEL-KIT.php](http://www.lookpolymers.com/polymer_Dow-Corning-3-4190-SILICONE-GEL-KIT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 - 0.970 g/cc	0.960 - 0.970 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Penetration P(60), 1/10 mm	46	46	

Thermal Properties	Metric	English	Comments
CTE, linear	430 µm/m-°C	239 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	1.50e+15 ohm-cm	1.50e+15 ohm-cm	
Dielectric Constant	2.86	2.86	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	2.87	2.87	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	19.7 kV/mm	500 kV/in	
	0.00010	0.00010	
Dissipation Factor	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.0010	0.0010	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	4.00 min	0.0667 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	5.50 min	0.0917 hour	
	@Temperature 125 °C	@Temperature 257 °F	
	6.50 min	0.108 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	1500 - 1800 min	25.0 - 30.0 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	transparent	
Color	green	
Flowable	yes	
Gel Hardness (Grams/Penetration)	120	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	>60	

## Contact Songhan Plastic Technology Co.,Ltd.

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