

## Dow Corning 3-4222 DIELECTRIC FIRM GEL KIT

Category : Polymer , Adhesive , Thermoset , Silicone

### Material Notes:

Two-part, translucent green, firm, fast RT or heat cure, and primerless chemical adhesion. Information provided by Dow Corning

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-3-4222-DIELECTRIC-FIRM-GEL-KIT.php](http://www.lookpolymers.com/polymer_Dow-Corning-3-4222-DIELECTRIC-FIRM-GEL-KIT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 - 0.980 g/cc	0.970 - 0.980 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	340 cP	340 cP	dynamic

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Constant	2.64	2.64	
	@Frequency 100 Hz	@Frequency 100 Hz	
	2.64	2.64	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	13.8 kV/mm	350 kV/in	
Dissipation Factor	0.00020	0.00020	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	<= 0.0010	<= 0.0010	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1.00 min	0.0167 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	1.50 min	0.0250 hour	
	@Temperature 125 °C	@Temperature 257 °F	

Processing Properties	Metric	English	Comments
	@Temperature 100 °C	@Temperature 212 °F	
	1.20 - 60.0 min	0.0200 - 1.00 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)	270	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	<5	

## Contact Songhan Plastic Technology Co.,Ltd.

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