

Dow Corning FLUOROGEL® 4-8022

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

One-part, translucent, heat cure, UV indicator, fuel and solvent resistant. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-FLUOROGEL-4-8022.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	700 cP	700 cP	dynamic

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	110	110	

Thermal Properties	Metric	English	Comments
CTE, linear	540 µm/m-°C	300 µin/in-°F	
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.20e+12 ohm-cm	1.20e+12 ohm-cm	
Dielectric Constant	7.09	7.09	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	7.1	7.1	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	14.8 kV/mm	375 kV/in	
	0.0030	0.0030	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.060	0.060	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
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Shelf Life Processing Properties	9.00 Month Metric	9.00 Month English	Comments
Descriptive Properties			
Appearance		translucent	
Flowable		yes	
Gel Hardness (Grams/Penetration)		50	
Hydrophobic		yes	
Self Leveling		yes	
Water Resistant		yes	
Working Time (min)		43200	

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