

Dow Corning 3099 HVIC COMPOUND

Category : Fluid , Lubricant , Silicone Base

Material Notes:

Dow Corning 3099 is a grease-like silicone coating especially formulated to give electrical insulators long-term resistance to water filming and flashover. Features: Protecting electrical insulators. Nontracking; arc and flashover resistance; good adhesion. Opaque gray, grease-like silicone coating. Applications: Providing arc and flashover resistance on high-voltage insulators. Base Oil: Silicone. Listing/Specification: Color(s): Opaque. Thickener: Alumina/silica. NLGI#: 2. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-3099-HVIC-COMPOUND.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Solids Content	100 %	100 %	

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	260	260	
Penetration P(60), 1/10 mm	270	270	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Flash Point	>= 121 °C	>= 250 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.46e+13 ohm-cm	1.46e+13 ohm-cm	
Dielectric Constant	3.86	3.86	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	3.88	3.88	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	11.2 kV/mm	285 kV/in	
Dissipation Factor	0.0066	0.0066	
	@Frequency 100000 Hz	@Frequency 100000 Hz	

Electrical Properties	0.0148 Metric	0.0148 English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Arc Resistance	800 sec	800 sec	

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	

Descriptive Properties	Value	Comments
Color	grey	
Water Resistant	yes	

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