

Dow Corning 111 VALVE LUBRICANT & SEALANT

Category : Fluid , Lubricant , Silica Gellant , Silicone Base

Material Notes:

General purpose O-ring and valve lubricant. Provides a noncuring moisture barrier; high dielectric strength; moisture and ozone resistance; good thermal, oxidation and chemical stability; suitable for use with potable water under NSF 61. Heavy consistency, translucent white, grease-like silicone paste. Applications: Lubricating plug, sanitary, gate, ball, butterfly and automate valves, pump packing, rubber and plastic O-rings; sealing vacuum and pressure systems (especially equipment subjected to washing and harsh environments); damping medium for dash pots in electrical equipment. Base Oil: Silicone Listing/Specification: FDA, NSF 51, NSF 61 Color(s): Translucent white Thickener: Silica NLGI#: 3 to 4 Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-111-VALVE-LUBRICANT-SEALANT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	
	@ Temperature 25.0 °C	@ Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Penetration	217	217	Worked 100,000
Penetration P(60), 1/10 mm	205	205	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.17e+15 ohm-cm	2.17e+15 ohm-cm	
Dielectric Constant	2.88	2.88	
	@ Frequency 100 Hz	@ Frequency 100 Hz	
	2.95	2.95	
	@ Frequency 100000 Hz	@ Frequency 100000 Hz	
Dielectric Strength	>= 17.7 kV/mm	>= 450 kV/in	
Dissipation Factor	0.00010	0.00010	
	@ Frequency 100 Hz	@ Frequency 100 Hz	
	<= 0.00050	<= 0.00050	

Electrical Properties	Metric @Frequency 100000 Hz	English @Frequency 100000 Hz	Comments
Arc Resistance	124 sec	124 sec	

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	

Descriptive Properties	Value	Comments
Appearance	translucent	
Color	white	
NLGI Number	3	
Water Resistant	yes	

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