

Dow Corning SE 4422 SILICONE RTV

Category : Polymer , Adhesive , Thermoset , Silicone , Silicone, RTV, Adhesive/Sealant Grade

Material Notes:

One-part, grey, moisture cure RTV, flowable, thermally conductive, UL V-1. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-SE-4422-SILICONE-RTV.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.17 g/cc	2.17 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	200000 cP	200000 cP	dynamic

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	
Tensile Strength, Ultimate	5.20 MPa	754 psi	
Elongation at Break	120 %	120 %	
Shear Strength	1.59 MPa	230 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	203 µm/m-°C	113 µin/in-°F	
Thermal Conductivity	0.900 W/m-K	6.25 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	
Flammability, UL94	V-1	V-1	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+15 ohm-cm	5.00e+15 ohm-cm	
Dielectric Constant	4.38	4.38	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	4.44	4.44	
	@Frequency 100 Hz	@Frequency 100 Hz	
	4.9	4.9	

Electrical Properties	Metric @Frequency 1.00e+6 Hz	English @Frequency 1.00e+6 Hz	Comments
Dielectric Strength	14.4 kV/mm	365 kV/in	
Dissipation Factor	0.00498 @Frequency 100 Hz	0.00498 @Frequency 100 Hz	
	0.00498 @Frequency 100000 Hz	0.00498 @Frequency 100000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	8640 min @Temperature 22.0 °C	144 hour @Temperature 71.6 °F	
Shelf Life	9.00 Month	9.00 Month	

Descriptive Properties	Value	Comments
Color	grey	
Hydrophobic	yes	
Water Resistant	yes	
Working Time (min)	<10	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China