

Dow Corning SE 4486 SILICONE RTV

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

Material Notes:

One-part, white, moisture cure RTV, highly flowable, fast tack-free, high thermal conductivity, controlled volatility. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-SE-4486-SILICONE-RTV.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.59 g/cc	2.59 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	19000 cP	19000 cP	dynamic

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	
Tensile Strength, Ultimate	3.80 MPa	551 psi	
Elongation at Break	50 %	50 %	
Shear Strength	1.38 MPa	200 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	124 µm/m-°C	68.9 µin/in-°F	
Thermal Conductivity	1.53 W/m-K	10.6 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	
Dielectric Constant	4.12	4.12	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	4.16	4.16	
	@Frequency 100 Hz	@Frequency 100 Hz	
	4.8	4.8	
	@Frequency 1.00e+6	@Frequency 1.00e+6	

Electrical Properties	Hz Metric	Hz English	Comments
Dielectric Strength	13.0 kV/mm	329 kV/in	
Dissipation Factor	0.00325	0.00325	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.00807	0.00807	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	7200 min	120 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Color	white	
Hydrophobic	yes	
Self Leveling	yes	
Water Resistant	yes	
Working Time (min)	<4	

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