

Dow Corning SE 4400 KIT

Category : Polymer , Adhesive , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

Two-part, grey, heat cure, flowable, thermally conductive, UL V-0. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-SE-4400-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	76000 cP	76000 cP	dynamic

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	
Tensile Strength, Ultimate	5.80 MPa	841 psi	
Elongation at Break	90 %	90 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.920 W/m-K	6.38 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Strength	>= 25.0 kV/mm	>= 635 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	1020 min	17.0 hour	
	@Temperature 150 °C	@Temperature 302 °F	
Shelf Life	1020 min	17.0 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		grey	
Flowable		yes	
Hydrophobic		yes	
Self Leveling		yes	
Water Resistant		yes	

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