

Momentive Performance Materials TSE326 High Temperature, Heat Cured One Component Silicone Adhesive

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

Material Notes:

TSE326 is a one-component, heat curing silicone adhesive which offers extended performance at temperatures exceeding 200C. A flowable material with primerless adhesion to many substrates, it is suitable for assembly and gasketing where a flowable consistency is required.

TSE 326 requires a minimum cure temperature of 100C and offers very low linear shrinkage and an improved thermal conductivity of 0.29

W/m K. Reddish brown in color.Key Performance Properties: One component product-no mixing requiredFast cure at elevated

temperaturesPrimerless adhesion to many types of substratesLow linear shrinkageExcellent heat resistanceOutstanding dielectric

propertiesGE Silicones became a part of Momentive Performance Materials in 2006.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-TSE326-High-Temperature-Heat-Cured-One-Component-Silicone-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	
Viscosity	28000 cP	28000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	
Tensile Strength, Ultimate	3.43 MPa	498 psi	
Elongation at Break	170 %	170 %	
Adhesive Bond Strength	1.96 MPa	284 psi	Aluminum to aluminum

Thermal Properties	Metric	English	Comments
CTE, linear	170 $\mu\text{m/m-}^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	94.4 $\mu\text{in/in-}^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	
Dielectric Constant	3.3	3.3	
Dielectric Strength	21.97 kV/mm	558.0 kV/in	
Dissipation Factor	0.020	0.020	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	45.0 min	0.750 hour	
	@Temperature 125 Â°C	@Temperature 257 Â°F	
	120 min	2.00 hour	
	@Temperature 100 Â°C	@Temperature 212 Â°F	

Descriptive Properties	Value	Comments
Color	Reddish Brown	

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