

Momentive Performance Materials TSE322B Heat-Curing Silicone Adhesive, Black

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

Material Notes:

RTV6424, RTV6445, and TSE322 silicone adhesives are one-component heat curable silicone adhesive sealants which will bond to many substrates without a primer and which will creep rapidly at elevated temperatures. These products have a very long working time at room temperature but will not cure completely until exposed to elevated temperatures. Mechanical properties for specimen cured 1 hour at 150°C. Key Performance Properties: One component product - no mixing required Fast cure at elevated temperature Primerless adhesion to many types of substrates No cure by-products, low linear shrinkage Excellent dielectric properties Outstanding performance over a wide thermal range. GE 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-TSE322B-Heat-Curing-Silicone-Adhesive-Black.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	
Viscosity	150000 cP	150000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	
Tensile Strength, Ultimate	2.930 MPa	425.0 psi	
Elongation at Break	200 %	200 %	
Adhesive Bond Strength	2.07 MPa	300 psi	Aluminum to aluminum

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Constant	3.1	3.1	
Dielectric Strength	19.69 kV/mm	500.1 kV/in	
Dissipation Factor	0.0060	0.0060	

Descriptive Properties	Value	Comments
Color	Black	

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