

Momentive Performance Materials TSE397 One Component RTV Adhesive Sealant/Coating, Clear/White

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

Material Notes:

TSE392, TSE397 and TSE399 adhesive sealants/coatings are one component RTV™s that cure quickly by reacting with atmospheric moisture forming a soft dielectric silicone rubber. These materials incorporate a newly developed crosslinking chemistry and are non-corrosive to metallic substrates. They are particularly well suited for electrical/electronic applications. This series of products differ in consistency, TSE392 is a thixotropic paste, TSE397 is semi-flowable, and TSE399 is flowable. When cured, they retain their elastomeric properties throughout the operating range of temperature from -55C to 200Â°C (-67F to 392F). Product Features: Meets the corrosion resistant requirements of MIL-A-46146A Fast cure at ambient temperatures Odor, slight alcohol Outstanding adhesion, including most plastics Outstanding electrical properties Resistant to heat, cold, moisture, UV, ozone and chemicals Product Benefits: One component, no mixing or de-airing required Soft consistency provides protection against mechanical and thermal shock Excellent electrical insulation Protects against moisture Varying viscosities allow thorough coating around complex assemblies (TSE399) and thicker coatings where required i.e., high voltage components (TSE392 & TSE397). Convenient packaging/dispensing tubes or cartridges. 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-TSE397-One-Component-RTV-Adhesive-SealantCoating-ClearWhite.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	
Viscosity	50000 cP @Temperature 23.0 Â°C	50000 cP @Temperature 73.4 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	20	20	
Tensile Strength, Ultimate	1.18 MPa	171 psi	
Elongation at Break	300 %	300 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 Â°C	392 Â°F	
Minimum Service Temperature, Air	-55.0 Â°C	-67.0 Â°F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	
Dielectric Constant	2.9	2.9	
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	22.0 kV/mm	559 kV/in	
Dissipation Factor	0.0050	0.0050	
	@Frequency 60 Hz	@Frequency 60 Hz	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Tack free

Descriptive Properties	Value	Comments
Color	Clear/White	
Consistency	Semi flowable	

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