

EPM-2840

Low volatility RTV silicone adhesive

DESCRIPTION

- One-Part, RTV Condensation Cure
- Oxime Cure
- Non-Slump

APPLICATION

- For applications requiring low volatility and high purity
- Designed for protection of electrical components and assemblies against shock, vibration, moisture, dust, chemicals, and other environmental hazards
- For bonding and sealing in applications such as overhead or vertical joints that require a non-slumping and one-part material
- Bonds well to plastics such as polycarbonate

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Uncured:			
Appearance	Translucent	ASTM D2090	002
Flow	< 2 inches / 5 minutes	ASTM D2202	019
Extrusion Rate (Performed using a SEMCO 440 nozzle with a 1/8" orifice and 60 +/- 5 psi air pressure)	30 g/min	ASTM C603	033
Tack Free Time	25 minutes	ASTM C679	005
Cure Time (0.02 or 0.51 mm)	2 hours	-	075
Cured: 7 days minimum at ambient temperature and humidity			
Specific Gravity	1.11	ASTM D792	003
Durometer, Type A	35	ASTM D2240	006
Tensile Strength	685 psi (4.7 MPa)	ASTM D412	007
Elongation	280%	ASTM D412	007
Dielectric Strength*	1,100 volts/mil (43.3 kV/mm)	ASTM D149	243

Typical Properties	Average Result	Standard	NT-TM
Coefficient of Linear Thermal Expansion (CTE)*			
Below Tg (-150°C to -115°C)	90 ppm/°C (90 μm/m/°C)	ASTM D3386	-
Above Tg (-95°C to 250°C)	320 ppm/°C (320 μm/m/°C)	ASTM D3386	-
Cured: 10 days at ambient temperature and humidity			
Lap Shear Strength (Unprimed)	280 psi (1.9 MPa)	ASTM D1002	010
Lap Shear Strength (Primed w/SP-120)	290 psi (2.0 MPa)	ASTM D1002	010

*Properties tested on a lot-to-lot basis. Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

INSTRUCTIONS FOR USE

Apply EPM-2840, supplied in cartridges, with the use of an appropriate caulking gun.

Inhibition Concerns

Although generally considered to be non-corrosive to most substrates, the oxime cure system may cause discoloration in the presence of copper or copper alloys

Note: Some bonding application may require the use of a primer. NuSil Technology SP-120 silicone primer is recommended.

ROHS AND REACH COMPLIANCE

Please [contact](#) NuSil Technology's Regulatory Compliance department with any questions or for further assistance

SPECIFICATIONS

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides a specific written warranty of fitness for a particular use, NuSil Technology's sole warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims all

Packaging

3 Ounce Tube (75 mL)
6 Ounce Tube (168 mL)
1 Gallon (3.64 kg)

Warranty

12 Months

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