

EPM-2410-2

Low volatility silicone adhesive

DESCRIPTION

- Two-part, platinum cure, black silicone system
- Designed for enhanced performance in extreme low and high temperatures
- Offers a high tear strength
- Convenient 1:1 mix ratio (Part A: Part B)

APPLICATION

- For applications requiring low volatility and high purity
- To provide protection of electric components and assemblies against shock, vibration, moisture, dust, chemicals and other environmental hazards. Ideal for use in potting connectors, molded high-voltage terminals and gaskets due to its high tear strength
- For use as an adhesive and encapsulant

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Uncured:			
Appearance*	Black	ASTM D2090	002
Viscosity, Part A*	65,000 cP (65,000 mPas)	ASTM D1084, D2196	001
Viscosity, Part B*	40,000 cP (40,000 mPas)	ASTM D1084, D2196	001
Work Time*	30 minutes	-	008
Tack-Free Time* (at 65°C)	5 hours	ASTM C679	005
Cured: 15 minutes at 150°C (302°F)			
Durometer, Type A*	30	ASTM D2240	006
Tensile Strength*	750 psi (5.2 MPa)	ASTM D412	007
Elongation*	400%	ASTM D412	007
Lap Shear Strength* (primed w/ CF1-135)	425 psi (2.9 MPa)	ASTM D1002	010
Volatile Content (1 hour at 275°C)	0.6%	ASTM D2288	004
Ionic Content, Cl	< 5 ppm	MIL STD 883E	-
Ionic Content, K	< 1 ppm	MIL STD 883E	-
Ionic Content, Na	< 1 ppm	MIL STD 883E	-

*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

Mixing

Mix Part A and B in a 1:1 mix ratio. EPM-2410-2 is ideal for Static mix and dispense application.

Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all safety precautions. Slowly apply full vacuum to a container rated for use and at least four times the volume of material being deaerated. Hold vacuum until bulk deaeration is complete.

Note: Some bonding applications may require the use of a primer. NuSil Technology's CF1-135 is recommended.

Substrate Considerations

Cures in contact with most materials, exceptions include: sulfur-cured organic rubbers, latex, chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents.

Adjustable Cure Schedule

Product cures at a wide range of cure times and temperatures to accommodate different production needs. [Contact](#) NuSil Technology for details.

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 other expressed or implied warranties, including, but not limited

Packaging

50 ml SxS Kit
400 ml SxS Kit
500 Gram Kit

Warranty

12 Months

to, warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology expressly disclaims any liability for incidental or consequential damages.

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NuSil Technology has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil Technology for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil Technology with any questions about product safety information.

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