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SS-18

Product Description

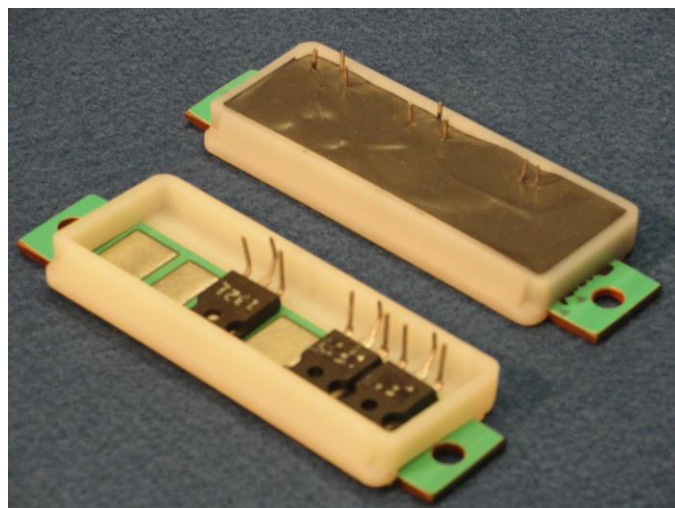
SS-18 is a fast curing silicone RTV adhesive developed for applications requiring fast deep section cures as well as excellent adhesion. SS-18 is a 2-part, 1:1 mix ratio silicone that when mixed and applied to the substrate, allows handling within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-18 works well in static mix dispensing equipment.

Product Features

- Fast deep section cure
- Neutral cure
- Excellent unprimed adhesion to most plastics, metal and glass
- Convenient 1:1 mix ratio

Typical Applications

- Adhesive encapsulation
- Assembly line adhesive
- Form in place gaskets



Fast Cure Adhesive Silicone RTV

Typical Properties

Color	Gray
Viscosity, cps	15,000
Specific Gravity	1.30
Consistency	Liquid
Work Time @ RT	3 Minutes
Tack Free @ RT	15 Minutes
Durometer	35 Shore A
Tensile Strength	350 PSI
Elongation	200%
Peel Strength	40 PPI
Lap Shear Strength	100 PSI
Dielectric Strength	21 KV/mm
Dielectric Constant	3.2
Dissipation Factor	0.02
Volume Resistivity	5×10^{15}

Chemical Cure System

Alkoxy

Mixing Instructions

The preferred method of mixing and application of SS-18 is through a static mixer at a 1:1 mix ratio by volume.

Depth of Cure vs Time

Very firm deep section cures are formed in 15 minutes. Ultimate cured properties are found in 24 hours.

Temperature Range

-45 – 260C

Solids

98% solids

Limitations

Allow to fully cure before putting assembly into service.

Handling and Safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to the SDS.

Shelf Life

Sealed containers are guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F and above 32°F.

Applicable Standards

Conforms to GM low volatility requirements.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as warranty, either expressed or applied. User shall rely on his/her own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from the use of this product. Manufacturer's sole responsibility shall be to replace that portion of product that the manufacturer proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indirectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding by the manufacturer.

This product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses which implantation within the human body is intended.

*****Customized versions available upon request*****