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SS-5083

Product Description

SS-5083 is a UV dual cure, high strength acetoxy silicone RTV adhesive rubber developed for UV applications. SS-5083 is a 1-part silicone that when applied to the substrate allows handling of the bonded assembly within seconds. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-5083 works well in manual and automatic dispensing equipment.

Product Features

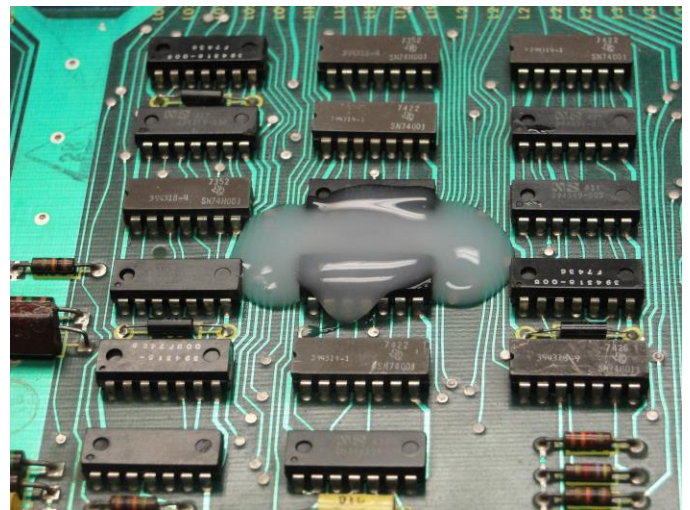
- Excellent unprimed adhesion to plastic, metal and glass
- Convenient UV accelerated instant cure capability
- Secondary moisture cure for shadow areas

Typical Applications

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

Chemical Cure System

UV acrylic with a secondary acetoxy



UV Dual Cure Silicone Adhesive Sealant

Typical Properties

Color	Translucent
Viscosity, cps	100,000
Specific Gravity	1.12
Consistency	Thixotropic Paste
Cure Time	72 Hours @ RT
Durometer	30 Shore A
Tensile Strength	500 PSI
Elongation	300%
Peel Strength	50 PPI
Tear Strength	50 PLI
Thermal Conductivity	0.0005
Coefficient of Thermal Expansion	20 x 10 ⁻⁵

UV Accelerated Curing

A short term UV exposure followed by a secondary moisture cure results in a cured elastomer exhibiting outstanding adhesion.

Solids

98% solids

Adhesion

Excellent unprimed adhesion to plastic, metal and glass

Limitations

Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

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 freezer.

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*******