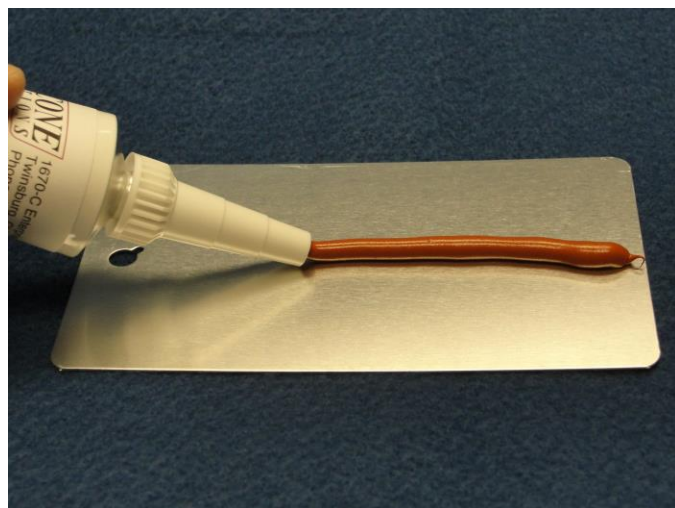




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SS-650+

Product Description

SS-650+ is a high strength, high temperature silicone RTV engineered for applications requiring fast development of physical properties and excellent adhesion. SS-650+ offers the highest temperature resistance of any acetoxy cure silicone currently available. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-650+ works well in manual and automatic dispensing equipment.

Product Features

- After 96 hours @ 650°F all other sealants embrittle, SS-650+ remains flexible
- Excellent unprimed adhesion to plastic, metal and glass
- Fast RT cure

Typical Applications

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

Chemical Cure System

Acetoxy

High Temperature Fast Cure Adhesive Sealant

Typical Properties

Color	Red/Orange
Viscosity, cps	500,000
Specific Gravity	1.14
Consistency	Thixotropic Paste
Working Time @ RT	4 Minutes
Tack Free Time @ RT	12 Minutes
Application Rate, 90 PSI g/min	175
Cure Time	72 Hours @ RT
Durometer	38 Shore A
Tensile Strength	1000 PSI
Elongation	850%
Peel Strength	50 PPI
Tear Strength	100 PPI
Lap Shear Strength	330 PSI
Dielectric Strength	500 V/mil
Dielectric Constant	2.8
Disipation Factor	0.001
Volume Resistivity	2.0 x 10 ¹⁴
Thermal Conductivity	0.0005
Coefficient of Thermal Expansion	20 x 10 ⁻⁵

Curing

Cure speed can be accelerated with increased humidity and heat to very rapid cure times. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber is formed.

Solids

98% solids

Adhesion

Excellent unprimed adhesion to plastic, metal and glass

Service Temperature

-45 to 330°C

Limitations

Do not use product on head gaskets, fuel or solvent 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 12 months from the ship date when stored in a cool dry area below 70°F.

Applicable Standards

Conforms to MIL-A-46106B Type I Group III

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*****