



US-HC-9135

Heat Cure 1 Part Thixotropic Adhesive Sealant

US-HC-9135 is a heat curing, high strength silicone adhesive rubber developed for bonding applications requiring fast development of physical properties and excellent adhesion. This is a 1-part silicone that that when applied to the substrate and thermally cured allows handling of the bonded assembly within minutes. Works well in manual and automatic dispensing equipment.

Product Features

- 15 minute cure at 150°C
- Excellent Unprimed Adhesion to Metals and Glass
- Thixotropic Paste
- Temperature range -45°C to 260°C

Product Applications

- Assembly Line Adhesive
- Form in Place Gaskets
- Adhesive Sealant

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured: Specific Gravity: 1.08 Color: translucent Solids: 100 %
 Viscosity: 500,000 cps. Tack Free Time at 150°C: 15 minutes
 Working Time at Room Temperature: >7 days

Cured 15 min at 150C :

Tensile Strength, PSI: 600 Elongation, %: 450 Durometer, Shore A: 30
 Thermal conductivity: 0.0005 Coefficient of Thermal Expansion: 20 x 10-5
 Dissipation Factor: 0.001 Dielectric Constant: 2.8
 Dielectric Strength V/mil: >500

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -45°C to 260°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

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 MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.