



US-UV-462

UV Dual Cure Silicone Adhesive Sealant

US-HC-462 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40°C to 260°C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to 260°C

Typical Properties

Uncured:

Viscosity: 6,000 to 8,000 cps. Specific Gravity: 1.02 Consistency: liquid

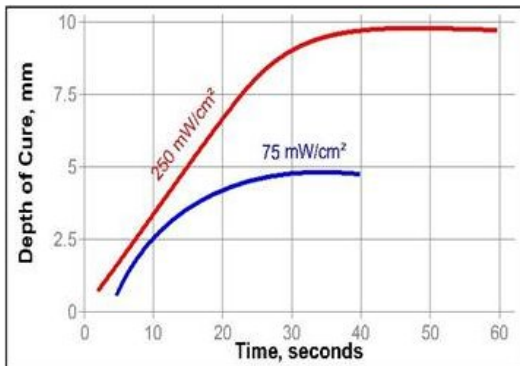
Cured 24 Hours at Room Temperature:

Tensile Strength, PSI: 100 Durometer, Shore A: 31-39

UV Accelerated Curing

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

Typical UV Lamp Performance



Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary moisture cure system.

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets 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.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. 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 1 year from the ship date when stored in a freezer.