US-UV-15264

UV Dual Cure Silicone Liquid RTV

US-UV-15264 is a UV dual cure neutral silicone RTV adhesive rubber developed for UV applications. This 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. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range –65 to 260C
- Secondary moisture cure for shadow areas

Typical Applications

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

Service temperature: -65°C to 260°C

Typical Properties

Uncured:

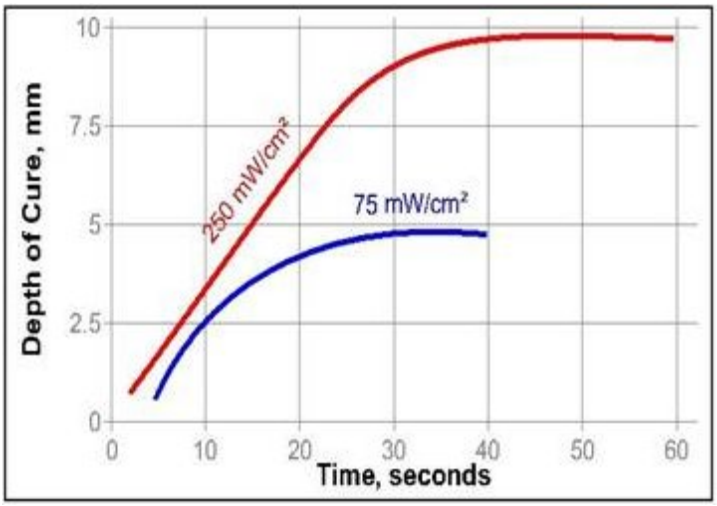
Viscosity, cps: 70,000 Specific Gravity: 1.04 Consistency: heavy liquid

Cured 24 Hrs. at Room Temperature:

Tensile Strength, PSI: 200 Durometer, Shore A: 30UV

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 Alkoxy 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 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.

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.

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

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 cool dry area below 70°F.