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SS-390D

Product Description

SS-390D is a 1-part silicone RTV developed for filling smart washer cavities. SS-390D offers unprimed adhesion to many metals and plastics. When cured, SS-390D results in a very flexible and durable silicone adhesive rubber. When expelled during the action of the collapsing smart washer, a very bright, sticky rubber is evident for 45 minutes to enable inspection and confirmation of washer engagement.

Product Features

- ◆ Very fast R.T. cure
- ◆ Neutral Cure
- ◆ Self-leveling liquid RTV
- ◆ Adhesion to metals and many plastics
- ◆ Temperature range -45 to 250C
- ◆ Upon ejection or damage, the cured rubber will remain in-place for 45 minutes to enable inspection.

Color: Bright Orange
 (custom colors available upon request)

Typical Applications

- ◆ Smart washer assemblies
- ◆ Indicating devices
- ◆ Tamper evident packaging
- ◆ Failure indicating devices



Smart Washer Liquid Indicating Rubber

Typical Properties

UNCURED

| | |
|-------------------------------|----------------------|
| Viscosity, cps | 10,000-20,000 |
| Specific Gravity | 1.03 |
| Consistency : | self-leveling liquid |
| Tack Free Time, mins. @ R.T.: | 10 |

CURED - R.T.

| | |
|-----------------------|-----|
| Cured -72 Hrs. @ R.T. | |
| Tensile Strength, PSI | 100 |
| Elongation, % | 100 |
| Durometer, Shore A | 15 |

Method of Application

Dispense coating into cavities on washers, allow to cure.

Chemical cure system

Oxime cure system

Curing

Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a rubber.

Packaging

SS-390D is available in 16 oz. containers, 8 lb. pails, 40 lb. pails and 440 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids

90% solids

Adhesion

Primerless adhesion to most plastics, metals and typical substrates.

Service temperature

-45 to 250C

Limitations

Allow to fully cure before putting assembly into service.

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 are guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

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 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 of 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 ****