



Factor II, Incorporated

Inventing and Innovating...
(Information: 1.928.537.8387) ONLINE
ORDERING www.factor2.com

PRODUCT INFORMATION A-564

PRODUCT DESCRIPTION

A-564 is a high strength one-part acetoxysilicone elastomer, this product is specifically designed for use sealing Silicone prosthetic devices, and any silicone device which is pigmented extrinsically with pigments to the external surface of most silicone elastomers.

A-564 is an acetoxycure, room temperature vulcanized (RTV) by exposure to ambient moisture and air: will cure (dry) upon exposure to air: to form a tough, elastic silicone product. While curing, the silicone adhesive gives off acetic acid vapor. Once the A-564 has achieved its maximum final cure, it is of the same chemical composition as other silicone elastomers, polydimethylsiloxane) It contains no solvents or plasticizers.

Special features include:

- Cures at room temperature
- Low viscosity, high clarity
- Very high bond strength

The user of this material must independently determine that any product incorporating this material is safe and effective.

Partial cure is typically achieved in about 20 minutes. If exposed to ambient moisture, ultimate cure and optimum physical properties will be achieved after 24-120 hours of stabilization. Ultimate rate varies on the amount of material exposed to ambient moisture. Each application must be tested for optimum cure time. Adhesives may be dispersed in a variety of dry aromatic and aliphatic solvents for dipping and coating applications.

PRECAUTIONS

A Material Safety Data Sheet (MSDS) is supplied upon request. The uncured adhesive should not come in contact with eyes, skin, or clothing. Do not breathe the vapor. A small amount of slightly yellowish, watery liquid may accumulate at the tip of the tube. Squeeze out the liquid and proceed to use as normal. During cure the adhesive gives off glacial acetic acid which is a health hazard and tissue irritant. Acetic acid residues should be allowed to dissipate before packaging or using. Use the adhesive with adequate ventilation. The uncured adhesive should not come in contact with eyes, skin, or clothing. Contact with alcohol or other moisture containing solvents should be avoided. Contamination can result in unreliable cure. Low humidity and excessive shelf storage may alter properties.

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TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

TEST RESULTS

UNCURED MATERIAL:

TACK FREE TIME, MINUTES 8
APPEARANCE CLEAR TO TRANSLUCENT,
COLORLESS

CURED ELASTOMER (72 HOURS @ ROOM TEMPERATURE):

DUROMETER, SHORE A 28
TENSILE STRENGTH 780
ELONGATION, % 650
TEAR STRENGTH, ppi 70
COHESIVE / ADHESIVE STRENGTH, ppi 18
SPECIFIC GRAVITY 1.08
CYTOTOXICITY NON-TOXIC

PACKAGING AND STORAGE

Packaging is available in 2oz. tubes. Custom packaging is available upon request.
The adhesive must be stored and transported in accordance with applicable federal, state, and local regulations. Store in the original sealed container below 30°C.

SHELF LIFE

Six (6) months from date of shipment

NOTE:

All information is offered in good faith, without guarantee or obligation for the accuracy of sufficiency thereof, or the results obtained, and is accepted at user's risk. There is a necessary level of sophistication required to work with these silicone products. Nothing herein shall be construed as a recommendation for uses which infringe patents or as extending a license under valid patents.