



Factor II, Incorporated

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

PRODUCT INFORMATION A-RTV-70

PRODUCT DESCRIPTION:

- Flowable, two-part, optically clear, high durometer silicone
- Cures with heat via addition-cure chemistry
- 1:1 Mix Ratio (Part A: Part B)

APPLICATIONS:

- For use in potting, encapsulating, coating, and injection or transfer molding applications
- Useful in any application requiring a flowable, high durometer material

TYPICAL PROPERTIES:

TYPICAL PROPERTIES	AVERAGE RESULT	STANDARD	NT-TM
Uncured:			
Appearance	Transparent	ASTM D2090	002
Viscosity, Part A	28,000 cP (28,000 mPas)	ASTM D1084, D2196	001
Viscosity, Part B	23,000 cP (23,000 mPas)	ASTM D1084, D2196	001
Work Time	2.5 hours -	008	
Cured: 2 hours at 50°C (122°F)			
Specific Gravity	1.07	ASTM D792	003
Durometer, Type A	75	ASTM D2240	006
Tensile Strength	1,300 psi (9.0 MPa)	ASTM D412	007
Elongation	65%	ASTM D412	007
Tissue Culture (Cytotoxicity Testing)	Pass	USP<87> ISO 10993-5	061
Elemental Analysis of Trace Metals	Pass	ASTM E305	131

The above properties are tested on a lot-to-lot basis. Do not use as a basis for preparing specifications. Please contact Factor II, Inc. for assistance and recommendations in establishing particular specifications.

INSTRUCTIONS FOR USE:

Mixing

Combine Part A and Part B in a 1:1 mix ratio prior to use. Airless mixing, metering or dispensing equipment is recommended for production operations. If mixing by hand, take care to minimize air entrapment.



Factor II, Incorporated

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

Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all applicable safety precautions. Slowly apply full vacuum to a suitable container of at least four times the volume of material being de-aired. Hold vacuum until bulk deaeration is complete.

Cure Inhibition

Curing may be inhibited by traces of amines, sulfur, nitrogen oxide, organotin compounds, and carbon monoxide. Because organic rubbers often contain these substances, they should not come in contact with the uncured elastomer. Catalyst residues from silicone RTV elastomers and peroxide-cured silicone elastomers may also inhibit the cure.

PATENT WARNING:

Factor II Technology disclaims any expressed or implied warranty against the infringement of any patent. Factor II does not warrant that the use or sale of the products described herein will not infringe the claims of any U.S. patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

WARNINGS ABOUT PRODUCT SAFETY:

Factor II technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials.

Factor II cannot know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility to adequately test and determine the safety and suitability for their application. Factor II makes no warranty concerning fitness for any use or purpose. There has been no testing done by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. When considering the use a Factor II product in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

IT IS RECOMMENDED THAT THE PURCHASER THOROUGHLY TEST ANY APPLICATION PRIOR TO FULL SCALE PRODUCTION OR COMMERCIALIZATION. INFORMATION CONTAINED IN THIS TECHNICAL PROFILE SHOULD NOT BE TAKEN AS INDUCEMENT TO FRINGE ANY PATENT. FACTOR II WARRANTS ONLY THAT ITS PRODUCTS MEET ITS SPECIFICATIONS. THERE IS NO WARRANTY OF MERCHANTABILITY OF FITNESS FOR USE OR ANY OTHER WARRANTIES EXPRESS OR IMPLIED. FACTOR II MAKES NO GUARANTEE OF SATISFACTORY RESULTS

DISCLAIMER / STATEMENT OF LIABILITY:

This is to certify that the above designated material has been tested and did comply with the listed specifications (with listed exceptions) when supplied in original container. The material is subject to the conditions listed on the invoice. The above is a copy of information on file. The lot acceptance data are available for examination. This is a computer-generated document that is valid without a signature. The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document. Factor II is a distributor of this product not the manufacture. Factor II will warrant this product 6-months from the ship date, some restrictions apply.