



# Factor II, Incorporated

Inventing and Innovating...  
(Information: 1.928.537.8387)  
ONLINE ORDERING [www.factor2.com](http://www.factor2.com)

## PRODUCT INFORMATION

### 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)
- This product shall not be considered for use in human implantation for a period of greater than 29 days

### 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
<b>Uncured:</b>			
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	
<b>Cured: 2 hours at 50°C (122°F)</b>			
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.



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## **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.

## **REACH COMPLIANCE**

This product is compliant with the Registration, Evaluation, and Authorization of Chemicals (REACH) regulation (European Union 1907/2006). The product does not contain any of the chemicals or substances identified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA), which oversees REACH compliance.

## **SPECIFICATIONS**

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please contact Factor II, Inc. for assistance and recommendations in establishing particular specifications.

## **WARNINGS ABOUT PRODUCT SAFETY:**

Factor II, Inc. 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, Inc. 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, Inc. makes no warranty concerning fitness for any use or purpose.

There has been no testing done by Factor II, Inc. to establish safety of use in any medical application. Factor II, Inc. has tested this material only to determine if the product meets the applicable specification. (Please contact Factor II, Inc. for assistance and recommendations when establishing specifications.) When considering the use of any Factor II, Inc. product in a particular application, you should review the latest Safety Data Sheets and contact Factor II, Inc. for any questions about product safety information you may have.

Do not use any chemical in a food, drug, cosmetic, or medical application or process until having determined the safety and legality of the use. The user is responsible to meet the requirements of the U.S. Food and Drug Administration (FDA) and any other regulatory agencies. Before handling any other materials mentioned in the text, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.

## **PATENT WARNING:**

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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, Inc.



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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, Inc. makes no guarantee of satisfactory results.

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