



# Factor II, Incorporated

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

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