



Factor II, Incorporated

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

PRODUCT INFORMATION A-340 HS FIRM GEL LV 10:1 A/B

PRODUCT DESCRIPTION:

HS Firm Gel LV 10:1 A/B is a two part, platinum cure, 100% solids, pure dimethyl silicone gel, designed for applications requiring a responsive, high strength gel.

APPLICATIONS:

- Breast enhancers
- Cushions
- Pressure sensors
- Encapsulated electronic parts

ADVANTAGES:

- Used for skin contact applications
- Excellent adherence to many polymer films
- Consistent performance (penetration)
- Rapid curing at elevated temperatures can be used for a softer gel in off-ratios
- Superior clarity

TYPICAL PROPERTIES:

<u>Typical Properties as Supplied</u>	<u>HS Firm Gel LV-A</u>	<u>HS Firm Gel LV-B</u>	
• Viscosity, 23°C	10,000	200	
<u>Typical Properties as Mixed</u>	<u>Mix ratio = 10:1 Part A: Part B >2</u>		
• Pot life, 23°C			
<u>Typical Properties of Cured Products</u>	<u>Test Method</u>	<u>Unit</u>	<u>Value</u>
• Penetration, cured 15 min, 110°C Petrolab PNR 10 penetrometer, cone type	ASTM D217C	mm	8

INSTRUCTIONS FOR USE:

Parts A and B components of HS Firm Gel LV 10:1 A/B are designed to be mixed at a ratio of 10 parts A to 1 part B (10:1) by weight or volume using meter-mix processing equipment or batch mixing techniques. Airless mixing, metering and dispensing equipment is recommended for production.

CURING:

Curing is typically achieved in 15 minutes at 120°C. The cure rate can be increased by increasing temperature.

PRECAUTIONS:

Accurate measuring and complete mixing are essential factors in obtaining consistent results. Special care must be taken to insure clean molds and clean work areas with no organic rubbers used on the same processing equipment. In general, contact with polymer systems containing the following materials can inhibit the crosslinking of the product:

- Sulfur
- Metallic salts, e.g. tin compounds
- Amines
- Nitrogen oxide
- Carbon monoxide



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STORAGE AND SHELF LIFE:

HS Firm Gel LV 10:1 A/B when stored in its original unopened packaging, at a temperature of 30°C, Factor II will warrant products for six months from the ship date.

SAFETY:

Please read the container labels or consult the Safety Data Sheet (SDS) before handling for safe use, physical and health hazard information.

PACKAGING:

A-340 HS Firm Gel LV 10:1 A/B is sold in a 1LB kit only.

PATENT WARNING:

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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.