



## PRODUCT INFORMATION

### A-2186

### Silicone Elastomer

#### PRODUCT DESCRIPTION

Factor II Inc. A-2186 silicone Elastomer is a two part, clear to translucent, pourable silicone system which will cure at room temperature. Cure time can be reduced with elevated temperatures. When properly cured, A-2186 offers high tear strength along with other good physical properties.

#### TYPICAL PROPERTIES

|                   |             |
|-------------------|-------------|
| Color             | Translucent |
| Consistency       | Pourable    |
| Viscosity A       | 90,000 cps  |
| Viscosity         | 5,000 cps   |
| Specific Gravity  | 1.10        |
| Working Time      | 2 hours     |
| Durometer Shore A | 29          |
| Tensile           | 900 psi     |
| Elongation %      | 650         |
| Tear              | 90 ppi      |

#### MIXING:

A-2186 Part A and Part B are mixed in a 10:1 ratio by weight. Care should be taken to minimize air entrapment during mixing. Vacuum deairation at 28 inches Hg is recommended. Apply vacuum to a container at least four times the volume of the material to avoid overflow of the bubbles. Allow the material to reach it's maximum capacity, and fall to the bottom of the container. Continue to hold the vacuum for 3 to 5 minutes. This will eliminate the smaller bubbles. When packing the material into a mold, care should be taken to minimize trapping air bubbles.

#### CONTAINERS:

When mixing A-2186 use clean containers such as glass, stainless steel, or a 16 or 20oz polypropylene container with a stainless steel spatula

#### SUBSTRATE CONSIDERATIONS:

A-2186 will cure in contact with most materials. Exceptions include butyl and chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents. Cure inhibition can usually be prevented by washing all containers with solvent, followed by a thorough rinsing with isopropyl alcohol

#### STORAGE AND SHELF LIFE:

Factor II A-2186 has a shelf life of 6 months from the date of shipment when stored in original containers unopened a room temperature 25 C (77 F)

*NOTE: REFRIGERATION STORAGE IS NOT ESSENTIAL BUT MAY EXTEND THE SHELF LIFE OF THIS MATERIAL*



**Factor II, Incorporated**

The Art, Science and Technology of  
Silicones and Prosthetics...

**\*Technical Data Sheet\***

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WARRANTY INFORMATION:

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