



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 pli

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 warrants products for 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



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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 will guarantee this product 6-months from the ship date, some restrictions apply.