



# Factor II, Incorporated

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

## PRODUCT INFORMATION

### A-588 REALISTIC Silicone Elastomer

#### PRODUCT DESCRIPTION:

Factor II Inc. A-588 Realistic is a translucent, platinum cured, pourable 10:1 by weight multiple durometer silicone elastomer. This material will work well with the A-300-1 Thixo Agent. The clinician can control the viscosity of the silicone while working with the uncured material. This will enable you to place intrinsic coloration into the open mold before packing the base color. Bonds well to acrylic resin.

#### TYPICAL CURED PROPERTIES:

	<u>588-1</u>
Durometer Shore A	12
Tensile Strength(psi)	977
Tear Strength (ppi)	43
Elongation %	750

Viscosity A-----85,000 cps

#### TYPICAL CURE SCHEDULE:

A-588 is designed to cure at room temperatures overnight.

Pot Life 6 hours

165°F	2 hours	* Recommended Cure
212°F	30 mins.	

#### MIXING and DEAIRING:

1. A-588 V Part A and Part B are mixed in a 10:1 ration 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 its maximum capacity and to fall to the bottom of the container. Continue to hold the vacuum for 3-5 minutes. This will eliminate the smaller bubbles. When packing the material into a mold care should be taken to minimize trapping air bubbles.

2. Recommend Use of A-300-1 Thixo agent 1 drop per 10 gms of material. This will eliminate the need for vacuum deairation. This will also increase the viscosity of the material to a mixture, which will no longer pour.

#### IMPLANT RETAINED:

This material is designed especially for implant retained prosthesis. We have purposely given up physical properties for the workability of the material. A-103 and A-2186 elastomer clearly have twice the tear strength of A-588, but with an implant retained appliance we do not have to rely on the higher tear properties (so we have sacrificed tear) to reduce the Durometer to a softer material.

#### SUBSTRATE CONSIDERATIONS:

A-588 will cure in contact with most materials. Exceptions include butyl and chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents. Containers and dispensers to be used with A-588 should also be clean and



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dry. Cure inhibition can usually be prevented by washing all containers with solvent, followed by a thorough rinsing with isopropyl alcohol

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