

ProSkin

PROSTHETIC SKIN SAFE SILICONE

RTV-2 SILICONE RUBBER

PRODUCT DESCRIPTION

ProSkin is a two-component silicone elastomer that cures at room temperature by a polyaddition reaction that may be accelerated by heating. It is designed as a 12 Shore A high tear strength rubber providing excellent physical properties for prosthetic and orthopaedic applications. It also displays good translucency and high elongation. ProSkin is easy to process with a 100:100 ratio by weight or volume and has an extremely low viscosity when mixed.

TYPICAL PRODUCT USES

Orthopaedic applications
Prosthetics devices & appliances
Anywhere a soft skin like feel is required
SFX Skins
Cushioning applications

TYPICAL CATALYSED PROPERTIES

Mixed @ 23°C and 50% RH.

Mix Ratio A:B:	100:100
Mixed Viscosity mPa s:	2500
Potlife Life:	60 minutes
Cure/Demould Time:	Variable

TYPICAL CURED PROPERTIES

Colour:	Translucent
Specific Gravity:	1.08
Hardness (Shore A):	12
(Shore 00):	60
Tensile Strength (N/mm ²):	3.7
Elongation (%):	700
Tear Strength (N/mm):	15

The following studies were performed in order to determine the biocompatibility of the test item to ISO 10993-1:

CYTOTOXICITY

SKIN SENSITISATION

INTRACUTANEOUS IRRITATION

The product did not show any adverse effects in the studies performed.

Issue: 1

Date: 21st July 2006

The data presented in this bulletin are in accordance with the present state of our knowledge, and does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.

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