



plastics PROSTHETIC SKIN SILICONE RUBBER Shore A5

MAIN FEATURES

- Low viscosity
- Easy to process
- Translucent
- Excellent flexibility
- Almost nil shrinkage
- Reproduction of fine details
- Resists bacterial growth
- Hypo-allergenic
- High chemical resistance
- Resistant to temperatures of 200°C

APPLICATIONS

- Special effects
- Animatronics
- Prosthetics
- Skin replication
- Moulding rubber

MECHANICAL AND OTHER SPECIFICATIONS (approx. values)

Physical Property	Unit	Value
Hardness	Shore A	5
Viscosity	mPa.s	3000
Tensile strength	MPa	≥13
Elongation	%	≥500
Tear strength	KN/m	≥2.8
Linear shrinkage	%	≥0.1

HOW TO PROCESS THE MATERIAL

Measure out the required material at ratio of 1:1. Mix and fold the two components together avoiding as much air entrapment as possible whilst paying particular attention to the bottom and sides of the mixing vessel. Pour the mixed material in a long streaky stream to help burst air bubbles introduced during mixing. Warmer temperatures will accelerate the cure, decreasing pot life and cure time with cooler temperatures having the opposite effect. The volume of material required for your application can be simply calculated by filling the void with dry rice which can then be poured into a measuring jug giving the volume of material required. Silicone adheres to its self so if you are using a silicone mould please apply a release agent to prevent permanent bonding.

CURE INHIBITION

The cure can be inhibited by the presence of nitrogen, sulphur, phosphorus, arsenic, PVC stabilisers; epoxy resin and even contact with materials containing these substances. e.g. latex, clays such as plasticine, sulphur vulcanised rubbers, condensation cure silicone rubbers, onion and garlic. If uncertain about a material potentially causing cure inhibition, please test a small sample before completing the project.

STORAGE

The material should be kept in tightly closed original receptacles at temperatures of 15 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.



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MEASURE OF PRECAUTION

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological, and other data relating to safety, to inform themselves on the safe handling and storage of products.

TERMS & CONDITIONS

Our technical service – in words, in writing or by trials – is given according to the current state of our knowledge. It does however not relieve you from the duty to check by yourselves if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products, you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.



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