



plastics FOOD & SKIN SAFE MOULDING RUBBER

MAIN FEATURES

- Resistant to temperatures of 250°C
- Easy to process
- Almost nil shrinkage
- Reproduction of fine details
- Food Grade
- Non-toxic

APPLICATIONS

- Production of negatives/positives
- Production of moulds.

MECHANICAL AND OTHER SPECIFICATIONS (approx. values)

Physical Property	Unit	Soft	Medium
Pot life (25°C)	Minutes	8-12	8-12
Cure time (25°C)	Hours	1-2	1-2
Density	g/cm ³	1.08	1.08
Hardness	Shore A	15	28
Viscosity	mPa.s	5000	8000
Tensile strength	MPa	≥5.5	≥6.8
Elongation	%	≥500	≥450
Tear strength	KN/m	≥24	≥24
Linear shrinkage	%	≥0.1	≥0.1
Heat resistance	°C	250	250

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 creating a two part mould a release agent must be applied to the cured first half before pouring the second.

When life casting the skin should be clean and free of all cosmetics, perfumes, etc. as this may cause cure inhibition. If using gloves or bald caps make sure they are latex free. If applying to the face secure any loose hair and apply Vaseline to any remaining facial hair. Carefully mix equal amounts of the two components avoiding as much air entrapment as possible. Once a uniform colour and the desired consistency is achieved begin applying. Once cured so slightly tacky to the touch or when completely cured another layer may be applied.

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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.

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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