



plastics TRANSPARENT MOULDING RUBBER

MAIN FEATURES

- Transparent
- Easy to process
- Almost nil shrinkage
- Good through-curing
- Reproduction of fine details
- Resistant to temperatures of 200°C

APPLICATIONS

- Production of negatives/positives
- Production of moulds.

MECHANICAL AND OTHER SPECIFICATIONS (approx. values)

Physical Property	Unit	Shore A 15 (Soft)	Shore A 28 (Medium)	Shore A 40 (Firm)
Hardness	Shore A	15	28	40
Viscosity	mPa.s	32,000	35,000	40,000
Tensile strength	MPa	≥4	≥5	≥6
Elongation	%	≥460	≥420	≥380
Tear strength	KN/m	≥2	≥2.25	≥2.5
Linear shrinkage	%	≥0.1	≥0.1	≥0.1
Pot Life @ 25°C	Minutes	180	90	90
Demould Time @ 25°C	Hours	12	9-10	8-9

HOW TO PROCESS THE MATERIAL

Mix and fold equal amounts of the two components together avoiding as much air entrapment as possible 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. The cure time is very sensitive to temperature, heat acts as an accelerant. If casting with low temperature melting metal it is necessary to dust the mould surface with talcum powder before pouring each casting.

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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