

SILICONES

and more



Characteristics

- Low shrinkage of <0.1%.
- highly liquid
- self-venting
- Suitable for potting

Silicone Addition Clear 5

These silicones are suitable for molds in which visibility of the model of interest, and is for the casting of electronics and optical devices.

Description

The Silicones A Clear 5 is a 2-component (Platinum) Poly-addition silicone-molding which cures at room temperature. The silicones are, after mixing, good liquid and crystal clear. The silicone will over the course of time yellowish discoloration, but do not lose their transparency.

These silicones are suitable for molds in which visibility of the model of interest, and is for the casting of electronics and optical elements.

Because of the low shrinkage and good clarity are ideal for this silicone potting electronics, optical elements or as a mold for oermodellen without undercuts that need to be cut out.

Technical data

| | | |
|-----------------------|-----------|-------------------|
| Mixing ratio (weight) | [A: B] | 100: 100 |
| Pot Life @ 20 ° C | [Minuten] | 30 |
| Ontmaltijd @ 20°C | [Hours] | 2 |
| Viscosity @ 20 °C | [CST] | 4000 |
| Color | | Transparent clear |
| Hardness | [Shore A] | 4~6 |

Note: Pot life / ontmaltijd is highly dependent on temperature! At a higher temperature, the processing time and ontmaltijd be shorter.

processing

The Silicones A Bright, one can simply mix with the hand or by machine. Blend the A and B component carefully and in the indicated ratio (100 parts 100 parts A and B) by each other. Process the mixture in the pot life and wait ontmaltijd until it is cured complete. Alternatively, you can speed up the curing process by placing the whole in an oven. Make sure that air bubbles in which case shorter given the time to escape.

Extra_information

Trapping air bubbles can be prevented best by pulling the silicone vacuum immediately after mixing. To prevent air bubbles, stir the A and B component well but slowly without storing in air. The best create a "figure 8" motion. Air can escape when the silicones are made even more fluid. You can do this by adding silicone oil (for sale in the shop). If you want to reduce the Shore (stiffness), then you can add silicone oil from the shop. If you do not want to pour the silicone spatula but you can add Silicone Thixo A (note: not Silicone Thixo C !!). You can also add fumed silica. Silicones are naturally (over time), light yellow in color, you can silicone intense colors with silicon dye.

packing

The products are packaged in sets of 1 Kg, 2kg, 10kg en 50 Kg. The components can not be ordered separately. For larger packages we ask you to contact us through the site.

Durability

Provided that the silicone in sealed packaging, stored cool and frost-free, the shelf life is tenminste1 year.

safety

If you frequent the silicone works to contribute advised during processing gloves and properly ventilate the area.