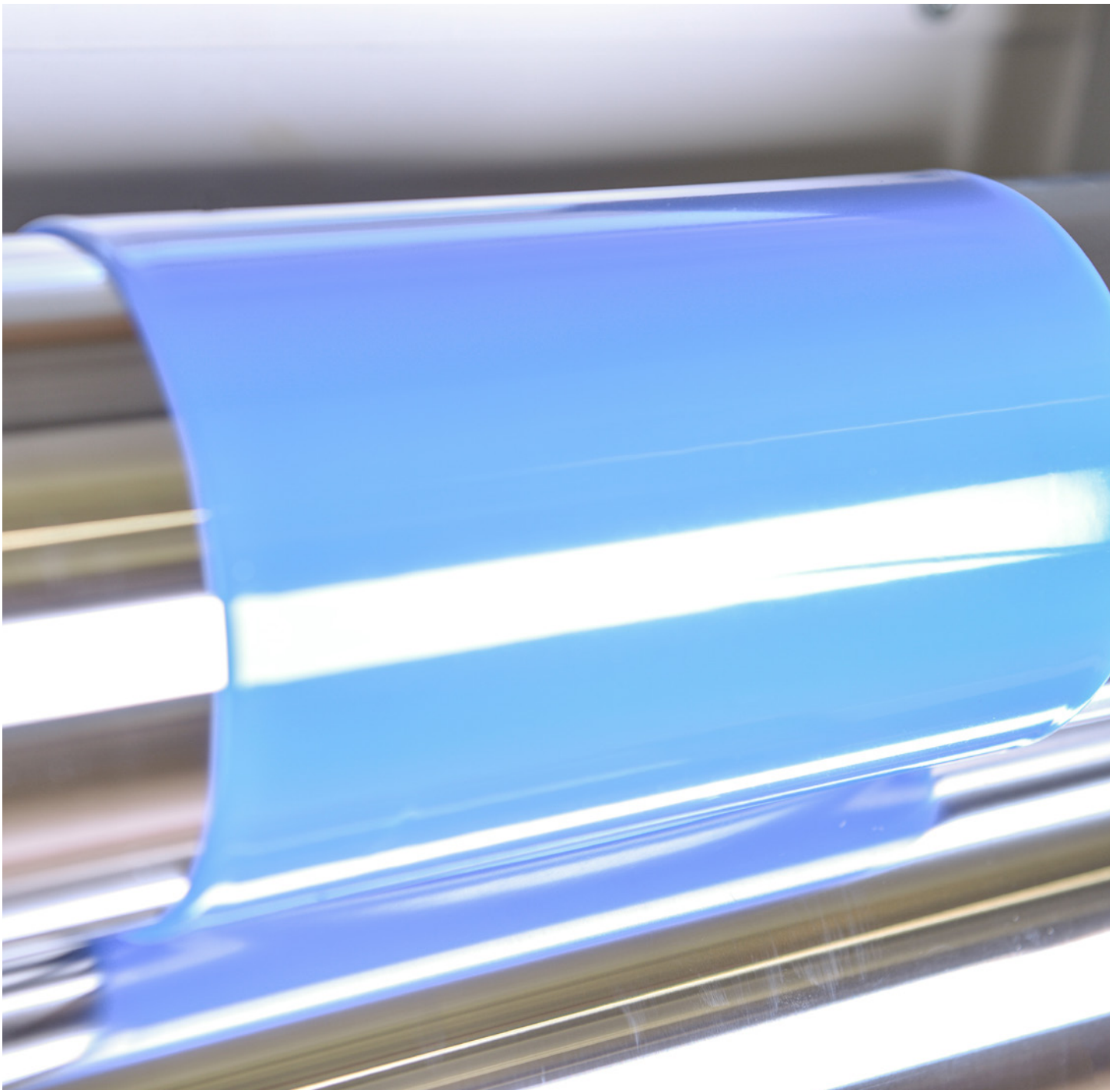


MonoSil.HTV

Silicone processing with only one component



New technology for fast results: the MonoSil.HTV

HTV silicones have established themselves as a material in orthopaedic technology. Due to its excellent skin compatibility, which prevents allergies and irritations, the material is optimally suited for the fabrication of cosmetic restorations, prosthetic sockets and orthoses. With the silicones known so far, two components are always necessary, which must be carefully mixed in a ratio of 1:1. The new MonoSil.HTV consists of only one component and makes it possible to completely skip this work step and save valuable time during rolling!

Advantages MonoSil.HTV

- only 1 component
- small amount of air pockets
- no pre-rolling necessary
- optimal absorption of colours
- fewer rolling passes than with 2 components
- fits perfectly to model due to rollers
- pleasant feel and high wearing comfort
- very tear resistant after vulcanisation
- Possibility to work on the model over 2 - 3 days (e.g. epitheses)
- storage in the refrigerator (shelf life 1 year)

Disadvantages MonoSil.HTV

- sensitive to moisture
- Curing time: 8 hours at 80 °C

Checklist - Step by step to the perfect HTV silicone product

- ✓ Attention: EpiSil and MonoSil.HTV must not be mixed!
- ✓ Has the silicone reached room temperature before processing?
- ✓ Is the silicone free of condensation at the time of processing?
- ✓ Is the plaster model made of porous plaster (5E1)?
- ✓ Is the plaster model dry? (stored for 3 days at 50 °C in a convection oven or 1 week at room temperature and low humidity).
- ✓ Is the plaster model sufficiently smoothed?
- ✓ Is the plaster model sufficiently insulated and polished with sealer/liquid wax (84E9)?
- ✓ Has the silicone roller been properly cleaned before processing?
- ✓ Are clean, cream-free hands used?
- ✓ Are the silicone tools completely cleaned?
- ✓ Is the silicone sufficiently rolled and coloured?
- ✓ Did you check for bubbles when rolling the silicone with the roller?
- ✓ Is the surface finished exclusively with the recommended materials?
- ✓ Was the silicone gently cured at 80 °C in a convection oven for 8 hours?

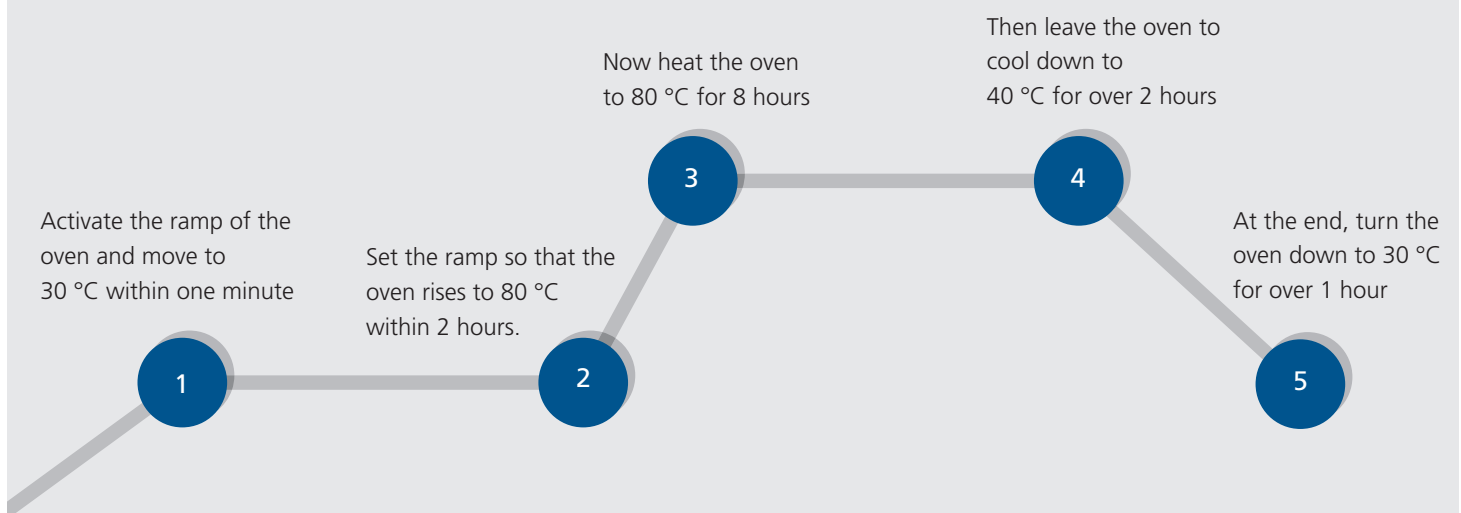


Content	Version	Item-no.
2.0 kg	35 Shore A	80E10/2
2.0 kg	55 Shore A	80E20/2
2.0 kg	70 Shore A	80E30/2

Curing

As the gentlest variant for models and material, curing via a temperature ramp to 80 °C within two hours is recommended, then curing for a further eight hours at 80 °C and finally final curing of the silicone again without model for one hour at 110 °C in the oven.

Setting the temperature curves*













*The temperature curve is based on the convection oven 50M6/3540.

Colour diversity with Pacolor

For an intensive colour result, the pasty and high-yield silicone colours Pacolor are suitable. They are lightfast, temperature resistant and available in many colours!



Colour		Item-no.
peach		44E10
white		44E11
red		44E12
yellow		44E13
blue		44E14
black		44E15
red-brown		44E16
orange		44E17
magenta		44E18
green		44E19

Tip:

All colours can be mixed with each other and are also suitable for RTV silicones.

Perfectly prepared: practical information on storage and processing



Storage instructions

MonoSil.HTV is supplied vacuum packed in a light-protected bag with zip closure. In this original packaging, the material can be stored unopened at a temperature of 4 - 6 °C (e.g. refrigerator) for one year and at room temperature for half a year. After opening or use, store the MonoSil.HTV first in cling film and then refrigerated (4 - 6 °C) in a light protection bag.

Processing tips

Prepare early: MonoSil.HTV is sensitive to moisture. To allow this to escape after cold storage, the silicone must thaw at room temperature at least one hour before processing. Careful cleaning: The gentle silicone cleaner "mild formula" 83E6 is suitable for quick and thorough cleaning after processing with silicone products.



From material to workbench - our service in the field of silicone processing

In addition to the variety of materials, our full range also offers the possibility to order suitable and high-quality machines, tools and accessories for silicone processing. You can find the generous selection online in the article info "silicone processing".



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