

# SILICONES

## and more



### Silicone Soft Flex 00-35

Silicone Soft Flex 00-35 is a two component set addition curing silicone that will make a very clear very soft silicone rubber.

#### Description

Silicone soft flex 00-35 is a 2-component (Platinum) Poly-Addition molding silicone which hardens at room temperature. The silicones are, after mixing, highly fluid (exhibit a low viscosity) and are easy to process

Due to the short curing time, extremely high stretchability and low hardness, this is an ideal silicone to serve as a skin for robotics, dolls and masks.

This product is colorless and therefore ideally suited for coloring with silicone pigments and flock.

#### Technical data

Mixing ratio (weight)	[A: B]	1: 1
Pot Life @ 23 ° C	[Min]	6-8
De/mould time@ 23 ° C	[Min]	16-18
Viscosity @ 23 ° C	[cSt]	6000-8000
Color		Colorless
Hardness	[Shore OO]	35
Density	[g / cm <sup>3</sup> ]	1.05
Tensile strength	[N /mm <sup>2</sup> ]	1.3-1.7
Tear Strength	[N/22]	6-8
Elongation at break	[%]	1100

Note: Pot life / de-mould time is highly dependent on temperature! At a higher temperature, the processing time and de-mould time are shorter.

#### Processing

The Silicone soft flex 00-35 can easily be mixed by hand or by machine. Mix the A and B components carefully and in the indicated ratio (100 parts A and 100 parts B). Process the mixture within the potlife and wait until the whole has hardened completely. You can possibly speed up the curing process by placing the whole in an oven. Please note that in this case, air bubbles will have less time to escape.

Please note that these silicones when not cured may cause severe irritation to the eyes when they come in contact.

#### Extra information

Note: This is an addition silicone. These silicones can be poisoned by sulphur, nitrogen, amino compounds and metal salts. If you are unsure whether the products you use (including gloves, spatulas and cups) contain these ingredients, then do a small test first. These substances are found in many latex gloves, some plastilines, lacquers and adhesives, condensation silicone, 1-component silicone sealant, natural rubbers and 3D printing material (especially stereolithographic). If you want to use this, you will need to put on a protective layer of poly vinyl alcohol.

Although the above warning applies to all addition-hardening (platinum) silicones, these silicones suffer much less from poisoning and can be used in many situations.

#### Packing

The products are packaged in sets of 1kg, 2kg, 10 Kg, 50 Kg and 400 Kg. The components cannot be ordered separately. For larger packages we ask you to contact us through the site.

#### Durability

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

#### Safety

If you use silicone frequently we advise the use of gloves and to work in a properly ventilated area. For safety information see the safety data sheet.

### Characteristics

- Colorless
- Low shrinkage <0,1%.
- Good fluidity
- Self deaerating
- Very soft
- Extremely stretchable
- Fast

#### Use and/or do:

