



### Characteristics

- Low shrinkage of <0.1%.
- highly liquid / self deaerating
- Clear
- Shore A 10
- Suitable for potting
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## Silicone Addition Clear 10

These silicones are suitable for molds in which visibility of the model is of importance for potting of electronics and optical devices.

### Description

The Silicones A Clear 10 are a 2-component (Platinum) Poly-addition silicone which cure at room temperature. The silicones have a good flowability and are crystal clear. The silicone will over the course of time yellow slightly, but do not lose their transparency. These silicones are suitable for molds in which visibility of the model is of importance e.g. when cutting the model out. The mould should not have undercuts as the tear resistance of this silicone is not high. Because of the low shrinkage and good clarity these silicone are ideal for potting of electronics, optical elements.

### Technical data

Mixing ratio (weight)	[A: B]	100: 10
Pot Life @ 20 ° C	[Hours]	4
De=mould time @ 20°C	[Hours]	36
Viscosity @ 20 °C	[cSt]	3500
Color		Transparent clear slightly yellowish
Hardness	[Shore A]	10

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 A and B component can easily be mixed by hand or by machine. Mix the A and B component carefully and in the indicated ratio (100 parts A and 10 parts B by weight). Process the mixture within the pot life and demould only after it is cured complete. Alternatively, you can speed up the curing process by placing the whole mould in an oven. Please note that air bubbles will then have less time to escape the casting.

### Extra\_information

Trapping of air bubbles can be prevented best by placing the silicone under vacuum immediately after mixing. To prevent air bubbles, stir the A and B component well but slowly without stirring in air. We advise to use a figur of 8 motion. If you want to reduce the Shore (hardness), you can add silicone oil from the shop. Please note that oil does not bind to the silicone network and may over time bleed from the silicone. 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. You can silicone intense colors with silicon dye. The silicon might obtain a very slight yellow hue when used at elevated temperatures (>80 ° C).

Please note: This is an addition curing silicone. This type of silicones may experience cure inhibition when coming into contact with sulfur, nitrogen, amino groups and metl salts. If you are not certain that the products you use (including gloves, spatulas and cups) contain these ingredients, please do a little test first!

### Packing

The products are packaged in sets of 550g, 1.1kg, 5.5kg and 27.5 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 use silicone frequently we advice the use of gloves and to work in a properly ventilated area. For safety information see the safety data sheet.