

# SiliCreate liquid silicone rubber, platinum-cure, Shore 0A

## Description

**SiliCreate** is a two-component silicone with platinum addition curing, a mixing ratio of 1:1, which cures at room temperature. It is a food-contact compatible silicone and is generally used for making molds and silicone casting applications.

## Technical specifications

| Parameter            | Value      | Unit              |
|----------------------|------------|-------------------|
| Viscosity            | 4500 ± 500 | MPa·s             |
| Hardness             | 0 ± 2      | Shore A           |
| Tensile strength     | ≥ 1.5      | MPa               |
| Elongation at break  | ≥ 550      | %                 |
| Tear strength        | ≥ 3        | N/mm <sup>2</sup> |
| Working time         | 30-40      | min.              |
| Curing time at 25°C  | 3-5        | h.                |
| Density after curing | 1.12       | g/cm <sup>3</sup> |

## Features

- Color – transparent
- High tear strength
- Temperature resistance (from -60 °C to 200 °C)
- Zero shrinkage rate (0.1 %)

## Mixing instructions

- Ensure all molding surfaces are completely clean to avoid curing issues.
- Mixing ratio: 1:1 by weight
- Ensure the mixture is completely combined to avoid curing issues.
- Generally, we recommend mixing for 30-40 min..
- Cures in 3-5 h. (higher temperatures → shorter curing time).

## Tips and tricks

- Wear gloves when mixing and pouring.
- If mixing rarely, we recommend using disposable bowls/cups and plastic spoons.
- The recommended release agent for this silicone is petroleum jelly.
- Platinum-cured silicones should not be mixed with condensation-cured silicones. Using common tools for both may cause curing problems.

 **Platinum-cured silicones may be sensitive to cure inhibition. Avoid contact with materials containing chlorinated solvents, acetone, MEK, sulfur-containing clays, and sulfur-cured organic rubbers.**

**We recommend using it within one year of opening.**