

TECHNICAL DATA SHEET

C340 is a two-component, transparent, addition-curing silicone material. Component A is the silicone base and Component B is the curing agent. The recommended mixing ratio is 10:1 by weight. This product is a transparent, oily liquid that can be cured at room temperature or by heating.

Application

Mainly used to protect electronic devices under severe conditions such as high humidity, extreme temperatures, thermal cycling stress, mechanical shock, vibration, mildew, and dirt. It is also suitable for transparent components used in biochemical laboratory consumables, various optical components, and potting applications requiring shock resistance, waterproofing, and dust protection for electronic parts.

Main Features

1. Environmentally friendly, non-toxic, odorless, and non-corrosive. It can comply with FDA food-contact requirements, MSDS, and RoHS standards.
2. High transparency, good flowability, easy operation, and easy pouring. It can be cured either at room temperature or by heating.
3. Excellent chemical stability and long-term service temperature range from -40°C to 200°C while maintaining its properties.
4. Excellent physiological inertness, waterproof performance, ozone resistance, aging resistance, and low shrinkage of about 0.1% for high precision applications.

Typical Properties

* The values below are for reference only. Product properties can be adjusted according to customer requirements.

Model	Color	Viscosity (mPa.s)	Hardness (Shore A)	Tensile Strength (MPa)	Tear Strength (kN/m)	Elongation (%)	Mixing Ratio A:B	Pot Life (h)	Curing Time (h)
C340	Transparent	8000	40±2	3.9	0.7	135	10:1	1	12

Instructions for Use

Mix Components A and B thoroughly at a weight ratio of 10:1 for 2-3 minutes. If possible, vacuum degassing is recommended before pouring. The workable time is about 1 hour. It cures in about 12 hours at room temperature, or in about 1 hour at 100°C.

Packaging

5.5 kg/set (Component A 5.0 kg + Component B 0.5 kg).

22 kg/set (Component A 20 kg + Component B 2 kg).

Packed in iron drums or plastic drums. Shipped as non-dangerous goods. When sealed and stored at about 25°C away from acids, alkalis, and impurities, the shelf life is 12 months.

Precautions

1. Carry out a small-scale test before formal production or use.



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2. Do not add pigments, powders, or other materials arbitrarily before testing. Avoid contact with water, acids, alkalis, or organic substances containing sulfur, phosphorus, or nitrogen, as these may affect curing.
3. This is a platinum-catalyzed silicone. It must not come into contact with condensation-cure silicone. Before use, tools and containers should be cleaned thoroughly with a suitable solvent.
4. If color adjustment is required, add color paste at approximately 0.2% into Component B and mix evenly.

Limited warranty message

The information provided in this document is offered in good faith and is believed to be accurate. However, because the actual conditions and methods of use are beyond our control, customers should evaluate the product in their own end-use applications before final adoption.