

Product information

Silicones

RTV 5060

FEATURES

- Fast curing
- Low viscosity
- Release properties

COMPOSITION

- RTV 5060 silicone rubber
- C 5060 catalyst



RTV-2 silicone rubber room temperature curing by condensation reaction, spray application, 26 Shore A hardness.

APPLICATIONS

- Flexible polyurethane foam mols treatment.

TYPICAL PROPERTIES

This data does not constitute the Product Sales Specifications. The values indicated refer to typical properties and are not to be understood as extreme minimum or maximum values. They do not constitute a guarantee of product conformity and do not relieve the buyer from the need to test the suitability of the products before use or placing them in his production cycle. Please contact your local sales representative to obtain the product specifications.

| Property | Unit | Value |
|-------------------------------------|-------------------|-------------------|
| Color (RTV5060 / C5060) | Visual | Beige / Colorless |
| Density at 23°C (RTV5060 / C5060) | g/cm ³ | 1.20 / 1.02 |
| Viscosity at 23°C (RTV5060 / C5060) | mPa.s | 6000 / 20-50 |
| Mixing ratio A : B | pbw | 100 : 5 |
| Working time | minutes | 3 - 5 |
| Setting time | hours | 15 |
| Hardness | Shore A | 20 ± 2 |
| Tensile strength | MPa | 1.5 |
| Tear strength | kN/m | 2.5 |
| Elongation at break | % | 150 - 250 |

SETTING

Make sure that the model to be copied is clean and free of dust. If the model is glass or ceramic, silicone rubber may adhere to the model. Homogenize the silicone rubber before taking it out of the container.

USE

Weigh the required quantity, add the catalyst in the proportions indicated and mix with a mechanical mixer. Larger quantities of catalyst (6-7%) accelerate hardening and shrinkage. For dilution use methylene chloride or similar solvents, after checking compatibility.

CURING

Curing is affected by temperature and humidity. The best conditions are 23°C

and 50% relative humidity. Use at low temperatures and lower relative humidity levels increase pot life and setting time. It is recommended not to use the product at temperatures below 20°C in order not to compromise the performance of the final product. Temperatures above 35°C accentuate the dimensional shrinkage. At 23°C and 50% hardening takes place after 16-24 hours but the polymer acquires its definitive properties after 3 days.

HANDLING PRECAUTIONS

The information for a correct and safe handling of the products is contained in the safety data sheet. Consult the safety data sheets before use for complete information on the risks to health and the environment and for the suitable protective devices to be adopted. Share

the safety data sheets with all staff involved in the use of the products.

USABLE LIFE - STORAGE

Store in original unopened containers at a temperature below +30°C. Be sure to close containers tightly after use. High temperatures reduce the useful life of the material. These products have a limited shelf life and should be used as soon as possible. This material, when stored under the specified conditions, has a shelf life of 12 months from the date of manufacture.

PACKAGING

RTV5060 is supplied in 20kg packs, C5060 in 25kg and 1kg packs. For other packaging please contact our sales department.

LIMITATIONS

This product is neither tested nor represented as suitable for food contact, skin contact or medical uses.

LIMITED WARRANTY

The information contained in this document is offered in good faith based on Chemix research and is believed to

be accurate. However, as the conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for the tests that customers must first perform to ensure that Chemix products are fully satisfactory for their specific applications. The warranty is only applicable to the values indicated in the Product Sales Specifications. The sole and exclusive compensation for products with values that are out of specification is limited to the replacement of the product or the refund of the purchase price.

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