

## Silicone Rubber RTV-2 3025

### Data Sheet

Product	Silicone 3025
Description	Medium viscosity, platinum catalyzed, RTV-2
Features	Chemical and heat resistant
Suitable for	Vacuum casting / wax casting, pottery cases
Cured properties	High tear strength, rigid
Viscosity (at 25 °C, cPs)	50000
Appearance	Translucent
Hardness (Shore A)	25-30
Tensile Strength	6.5 N/mm <sup>2</sup>
Tear strength	17 N/mm <sup>2</sup>
Elongation	350%
Mix Ratio A:B	100:10
Curing time at 25°C	24 Hr
At 60°C	3 Hr to 6 Hr
Pot life (100g at 25 °c)	120 min

\*The information in this data sheet is provided for general guidance only and must not be relied upon as a definitive statement of the product's properties or suitability. Renishaw will not be liable for the consequences of any decision by you to use the product and you must conduct your own testing to determine whether or not the product is suitable for your needs\*

مرکز تحقیقاتی شهید قندی (<http://seraj-kntu.ir>) - تهران خیابان میرداماد، پایین تر از پاساژ پایتخت، پلاک 470 طبقه منفی 1-ت- تلفن:

09383161618 -021084064163

## Mixing Procedure:

- Weigh the silicone and catalyst to the ratio indicated overleaf.
- Combine the two components and blend well, scraping the sides and bottom of the container to ensure that there are no unmixed pockets of material
- Start the vacuum process to extract all excess air out of the mixed silicone. This usually takes around 10 min to 15 min.
- Ensure that enough volume remains in the container to accommodate the action of the material as the air is extracted from the mix.
- Pour the mixed material into the mold frame in a slow steady stream and allow to flow freely around and over the model.

## Special Note:

- It is important that a clean dry container and mixing paddle is used to avoid adding dirt or contaminants to the mix.
- Cure of the mixed silicone material may be inhibited by amines or products with a high sulfur content such as latex rubber.
- Silicone rubber may expand up to 7 times its original volume in the process of air extraction under vacuum
- Patch testing is advisable prior to use to avoid inhibition

## Safety Instructions:



Always follow the instructions in the Product Safety Data Sheets and always work in accordance with the safety instructions



Wear suitable respiratory protection, safety gloves and safety goggles during the entire filling procedure