

ADDsil RTV 586

Description

ADDsil RTV586 is the highest quality and most versatile mould-making material available. It has a unique set of characteristics that enable it to outperform epoxies, urethane, and such organic materials as latex rubber.

These performance properties originated from its unique chemical structure. Inorganic silicone-oxygen linkages are different than the typical carbon-to-carbon chain of organic materials. This silicone-oxygen backbone makes silicone rubber resistant to temperature extremes, oxidation, stresses, and many organic and inorganic materials.

These properties make silicone rubber an ideal solution for a wide range of moulding requirements. Polyester and epoxy resins, low-temperature metals, acrylics, urethane and urethane foams, concrete, waxes, and plasters can all be formed using silicone rubber moulds.

Application

ADDsil RTV586 can be used to make moulds and membranes for the production of parts in filled polyester, plaster, natural and synthetic cement, in cellular integral-skin, etc. in particular for the following applications:

- i) Art and decoration: moulding of sculptures and statuettes.
- ii) Furniture: moulding of furniture and decoration elements.
- iii) Building: prefabricated decorative elements.

Specification

Appearance	Viscous fluid
Colour	White
Specific gravity (25°C approx.)	1.12 ~ 1.13
Viscosity at 25°C	45,000 ± 5,000 CPS
Hardness Shore A	24 ~ 25°C
Linear shrinkage, 7 days	0.6%
Tensile strength (kg/ cm ²)	32
Elongation %	650
Tear JIS B kg-cm, 24 hours	23 ~ 25
Temperature resistance	under 150°C
Catalyst ratio by weight	15 ~ 20 ml / kg
Catalyst lowest limit	20 ml / kg
Working time (20°C)	15 ~ 20 minutes
Ready for demoulding	4 ~ 5 hours
Storage stability *	12 months

* After 3 months storage at 25°C~30°C, the viscosity of ADDsil RTV586 may be raised about 10,000cps.

* Conventional RTV need 30~40 ml catalyst per kg, our ADDsil RTV586 only need 15~20 ml catalyst per kg.

Storage

ADDsil RTV586 will remain stable for about twelve months if stored in the dark and at temperatures below 25°C. Their stability however deteriorates markedly at higher temperatures, especially when they are directly exposed to sunlight. Hence they should be kept in a cool, dark place. It is advisable to finish it within three months.

Packing

ADDsil RTV586 is packed in steel drums of standard size, containing 1, 25 and 200 kilos in net weight.

The information and recommendations on this data sheet are to the best of our knowledge, reliable. However nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes

**ADD RESINS BRANCHES AT:
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