

## ADDsil RTV 555

### Description

ADDsil RTV 555 is a two component silicone elastomer cross-linking at room temperature by a poly-condensation reaction. The resulting product is flexible, elastic and gives excellent tear resistance

### Application

ADDsil RTV 555 is ideally suited for detailed reproduction.

Moulds made from ADDsil RTV 555 are used in the manufacture of pieces in polyester resin, plaster, cement, polyurethane, wax and soap.

It has special applications in

Art and decoration: Moulding of sculptures and statuettes

Building: Decorative features

Furnishings: Casting of furniture and decorations

Arts and Crafts: Soap and candles

Jewellery Manufacture

### Characteristics

Appearance	Viscous Fluid
Colour	Light Ivory
Specific Gravity @ 25° C	1,10 – 1.12
Viscosity @ 25° C	30000 cps
Shore Hardness A	20 +/- 2
Linear Shrinkage 7 days	0.6%
Tensile Strength (kg/cm <sup>2</sup> )	20 - 22
Elongation %	750-850
Tear JIS B kg-cm 24 Hours	15 - 17
Temperature resistance	Under 150°C
Catalyst Ratio by weight (Cat 11)	2%
Catalyst lowest limit	1.5%
Working time @ 25°C	25 – 40 Minutes
De-moulding time (using Cat 11)	4 – 5 hours

**NB After 3 months storage at 25-30°C the viscosity may rise by 10000 cps**

## **Processing**

Mix both of the two components well before use.

To 100 parts of ADDsil RTV 555 add 2 parts Catalyst 11

Mix the 2 components thoroughly by hand using a flat blade to ensure that air bubbles are not introduced. Working time is 25-40 minutes depending on ambient conditions.

The best curing conditions are at 23-25 °C at a relative humidity of 50%  
Higher levels will reduce the pot life and increase the curing rate and lower levels will increase the pot life and decrease the curing rate

At 23°C the de-mould time will be 4-5 hours

## **Packaging**

ADDsil RTV 555 is available in           1 kg tubs  
  5kg pails  
  25kg kegs

Catalyst 11 is available in 20g, 100g and 500g packs

## **Storage and Shelf Life**

When stored in their original unopened packaging at a temperature between -5 - + 30°C the product may be stored for 12 months

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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