

RTV/AD-50 Silicone Rubber Moldmaking Compound for high production casting.

INTRODUCTION

Two component room temperature curing fluid compound which cures with low shrinkage to a strong, flexible silicone rubber.

RTV/AD-50 SILICONE RUBBER has good elongation, high tear strength and excellent release characteristics. It will reproduce finite details from patterns of wood, glass, metal and other materials.

Molds made with RTV/AD 50 compound resist chemical attack and surface degradation caused by urethanes when used with a barrier coat. Polyester and epoxy are examples of other materials which can be cast in these molds. Such molds give high durability and long production life. Molds may be heat cured for faster processing or room temperature cured.

Peculiarities of this product are:

- Superior detail reproduction
- Convenient 10:1 mixing ratio
- Free of solvents
- Low linear shrinkage
- High tear strength, good elongation and inherent release characteristics
- Will cure without measurable exotherm
- Colour contrast between base compound and curing agent
- Self levelling

TECHNICAL PROPERTIES

(at +20°C and 60% R.H.)

Appearance	: light-grey thick liquid
Mixing ratio (A+B)	: 10 + 1 parts in weight
Viscosity (cps)	: 70000-75000
Work life (hours)	: 1.30
Demoulding time (hours)	: 18
Linear shrinkage, after 5 days ageing (%)	: < 0.2 (ISO 4823)
Specific gravity (Kg./dm ³)	: 1.22
Hardness (Shore A)	: 50 ± 3 (DIN 53505)
Tear strength (Kg./cm)	: 14-15
Shelf life	: , stored in their original tightly closed containers at temperatures in the range from +5°C to +30°C.

NOTE. The information given to users is based on our best experience. However, because of the many possible applications, which are outside of our knowledge and control, we cannot accept liability for loss or damage resulting from reliance upon such information.