

RTV/ADT-40 Silicone Rubber

INTRODUCTION

Two component room temperature addition cure liquid silicone rubber. Its hardness is 40 Shore A and it is especially designed for prototype mouldmaking.

Peculiarities of this product are:

- Addition cure
- High clarity, easily pigmentable
- Easy pourable
- High tear strenght
- Good mould release/mould life

TECHNICAL PROPERTIES

(at +20°C and 60% R.H.)

Colour	: translucent
Mixing ratio (A+B)	: parts in weight 100:10
Pot life (hours)	: 1.30
Viscosity (cps)	: 50000-55000
Specific gravity (Kg./dm ³)	: 1.120
Linear shrinkage, after 5 days ageing (%)	: 0.1 or less (ISO 4823)
Hardness (Shore A)	: 40 (DIN 53505)
Tear strength (Kg./cm)	: (ASTM D-624 Mould B)20-22
Tensile strength (MPa)	: 5-6
Elongation at break	: 400%
Packaging	: Component A in 20 Kg. pail. Component B in 1 Kg. can.
Shelf life	: 4 months , stored in their original tightly closed containers at temperatures in the range from +10°C to +28°C.

NOTE.

Deaeration:

Any air trapped during the mixing cycle should be removed in order to avoid bubbling in the silicone rubber mould. This involves placing the container in a suitable vacuum chamber and apply a vacuum, which causes the mixture to froth to around four times its original volume. With a 20 mm. vacuum, deaeration is completed approximately 2 minutes after the frothing ceases.

Precaution:

Curing may be inhibited if substrate contains water, sulphur, nitrogen compounds, organometallic salts, phosphorous compounds, etc. – a preliminary test is therefore recommended.

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. Typical data values should not be used as a basis for product specifications.