

- INTRODUCTION:** It is a two component room temperature vulcanising pourable fluid silicon which cures on the addition of the appropriate CATALYST AD, according to the polyaddition process.  
SILIMOLD AD T-40 silicon rubber is characterized by its medium high hardness and a high tearing resistance. Thanks to these properties, it may also be utilized in the manufacture of moulds with many undercuts.
- APPLICATION:** SILIMOLD ADT 40 silicon rubber is especially designed for complex moulds, model prototype and mould making.
- PECULIARITIES:** Addition cure  
Easy pour able  
High tear strength  
Extreme mould release/mould life
- PACKING:** Component A: 5 Kg. – 10 Kg. – 20 Kg. Plastic bucket  
Component B: 0,5 Kg. – 1 Kg. – 2 Kg. Plastic bottle
- SHELF LIFE:** Both components (A and B) 12 months in their original tightly closed containers, in a dry and cool place, away from moisture and at temperature between +10°C and +28°C.
- TRANSPORT:** RID/ADR exempt: the product is not flammable.
- DEAREATION AND PRECAUTION:** 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.  
Curing may be inhibited if substrate contains water, sulphur, nitrogen compounds, organometallic salts, phosphorous compounds, etc. – a preliminary test is therefore recommended.

**TECHNICAL PROPERTIES****BEFORE CATALYSIS**

APPEARANCE:	Thick liquid
COLOUR:	Component A : Transparent Component B : Transparent
SPECIFIC GRAVITY:	Comp. A e B: 1,120 Kg./lt. $\pm$ 0,020 *
VISCOSITY:	Comp. A: 40.000 $\pm$ 5% CpS *
VISCOSITY:	Comp. B: 5.000 $\pm$ 5% CpS *
MIXING RATIO:	100 : 10 by weight (= 10%)

**DURING CATALYSIS**

POT-LIFE:	90 min.*
DEMOULDING TIME:	16 hours *

It is advisable to avoid catalysis of the product at temperatures over +30°C

**AFTER CATALYSIS**

APPAREANCE:	Flexible rubber
COLOUR:	Transparent
HARDNESS SHORE A :	40 $\pm$ 2 (DIN 53505)
TEARING STRENGHT:	18 N/MM. $\pm$ 0,5 (ASTM D 624 S A 3)
TENSILE STRENGHT:	5,8 N/mm2 $\pm$ 0,5 (DIN 53504 - S A 3)
ELONGATION AT BREAK:	400 % $\pm$ 30 (DIN 53504 - S A 3)
LINEAR SHRINKAGE:	0,1 % max. after 5 days ageing (ISO 4823)
FLAME RESISTANCE:	Self extinguishing (ASTM 1692)

**(\*) NOTE:****TESTS HAVE BEEN CARRIED OUT UNDER THESE CONDITIONS**

Temperature:	+20°C
After:	24 ore
R.H.:	60%
Catalysis:	100:10

Pouring time, demoulding time and Pot Life duration depend on room temperature, R.H. and on the mixing ratio A+B.

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.