

- 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 12 silicon rubber is characterized by its low hardness and a high tearing resistance. Thanks to these properties, it may also be utilized in the manufacture of complex moulds with many undercuts.
- APPLICATION:** SILIMOLD AD 12 silicon rubber is especially designed for complex moulds, model prototype and mould making. Serial realization of polyester, epoxy, polyurethane, cement and wax objects. Pad printing.
- PECULIARITIES:** Addition cure  
Easy pour able  
High tear strength  
Extreme mould release/mould life
- PACKING:** Component A: 5 Kg. – 25 Kg. Plastic bucket  
Component B: 5 Kg. – 25 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.

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

APPEARANCE:	Thick liquid
COLOUR:	Component A : White Component B : Orange
VISCOSITY:	Comp. A: 5.000 CpS *
VISCOSITY:	Comp. B: 5.000 CpS *
MIXING RATIO:	1 : 1 by weight (= 100%)

**DURING CATALYSIS**

POT-LIFE:	25 - 35 min.*
DEMOULDING TIME:	2 hours *

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

**AFTER CATALYSIS**

APPEARANCE:	Flexible rubber
COLOUR:	Orange
HARDNESS SHORE A :	12 ± 2 (DIN 53505)
TEARING STRENGTH:	18 N/MM. ± 0,5 (ASTM D 624 S A 3)
TENSILE STRENGTH:	3 N/mm <sup>2</sup> ± 0,5 (DIN 53504 - S A 3)
ELONGATION AT BREAK:	600 % ±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:	1:1

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.