

**INTRODUCTION:**

It is a two component room temperature vulcanising pour able fluid silicon which cures on the addition of the appropriate CATALYST S o SN, according to the polycondensation process.

SILIMOLD AL-10 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 moulds with many undercuts.

**APPLICATION:**

SILIMOLD AL-10 silicon rubber is ideal in the manufacture of moulds for the production of articles made from synthetic resins (polyester, epoxy polyurethane, etc), plaster, cement, wax etc. It is also suitable for the "waxed wax" process in the artistic casting and founding.

**PACKING:**

Component A: Kg. 20 Plastic bucket

Component B: Kg. 1 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 +5°C and +30°C.

**TRANSPORT:**

RID/ADR exempt: the product is not flammable.

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

APPEARANCE:	Thick liquid
COLOUR:	Component A : White Component B : Transparent
SPECIFIC GRAVITY:	Comp. A e B: 1,190 Kg./lt. $\pm$ 0,020 *
VISCOSITY:	Comp. A e B: 40.000 $\pm$ 5% CpS *
MIXING RATIO:	100 : 5 by weight (= 5%)

**DURING CATALYSIS**

POT-LIFE:	90-120 min.*
POURING TIME:	90-120 min.*
DEMOULDING TIME:	24 hours *

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

**AFTER CATALYSIS**

APPAREANCE:	Flexible rubber
COLOUR:	Semi bright white
HARDNESS SHORE A :	10 $\pm$ 3 (DIN 53505)
TEARING STRENGHT:	22 N/MM. $\pm$ 0,5 (ASTM D 624 S A 3)
TENSILE STRENGHT:	4,5 N/mm <sup>2</sup> $\pm$ 0,5 (DIN 53504 - S A 3)
ELONGATION AT BREAK:	600 % $\pm$ 30 (DIN 53504 - S A 3)
LINEAR SHRINKAGE:	0,4 % 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:	100:5

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.