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- 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 20 silicon rubber is characterized by its medium 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 20 silicon rubber is especially designed for complex moulds, model prototype and mould making. Serial realization of polyester, epoxy, polyurethane, gypsum, 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 : Blue
VISCOSITY:	Comp. A: 6.000 ± 5% CpS *
VISCOSITY:	Comp. B: 6.000 ± 5% CpS *
MIXING RATIO:	1 : 1 by weight (= 100%)

DURING CATALYSIS

POT-LIFE:	20-30 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:	Semi bright blue
HARDNESS SHORE A :	20 ± 2 (DIN 53505)
TEARING STRENGTH:	20 N/MM. ± 0,5 (ASTM D 624 S A 3)
TENSILE STRENGTH:	3 N/mm ² ± 0,5 (DIN 53504 - S A 3)
ELONGATION AT BREAK:	500 % ±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.