POOLKEMIE

Liquid Rubbers & Resins
Chemicals for Industry & Artworks

SILIMOLD AL-20

RTV2 silicon moulding rubber

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-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 moulds with many undercuts.

APPLICATION:

SILIMOLD AL-20 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" wasted 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.

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TECHNICAL PROPERTIES

BEFORE CATALYSIS	APPEARANCE:	Thick liquid	
	COLOUR:	Component A : Component B :	White Transparent
	SPECIFIC GRAVITY:	Comp. A e B:	1,200 Kg./lt. ± 0,030 *
	VISCOSITY:	Comp. A e B:	28.000 ± 5% CpS *
	MIXING RATIO:	100 : 5 by weight (= 5%)	
DURING CATALYSIS	POT-LIFE:	60-80 min.*	
	POURING TIME:	60-80 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 :	20 ± 3 (DIN 53505)	
	TEARING STRENGHT:	22 N/MM. ± 0,5 (ASTM D 624 S A 3)	
	TENSILE STRENGHT:	5,8 N/mm2 ± 0,5 (DIN 53504 - S A 3)	
	ELONGATION AT BREAK:	500 % ±30 (DIN 53504 - S A 3)	
	LINEAR SHRINKAGE:	0,5 % 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.