

RTV A400 A+B

1. DESCRIPTION

RTV A400 A+B is a two part addition cure liquid silicone elastomer, curing at room temperature to a tough, 40 shore A elastic material with a very good clarity.

2. ADVANTAGES

- Good tear strength
- Extremely low shrinkage
- Precise reproduction
- High chemical resistance
- Can be heat accelerated (this will increase shrinkage factor)

3. APPLICATIONS

Moulds where a high degree of dimensional stability is required, such as engineering, model making, ceramics, low melt alloy casting.

4. CHARACTERISTICS

a) CONSTITUENTS:

	RTV A400 Part A	RTV A400 Part B
Appearance	Fluid	Fluid
Colour	Translucent	Translucent
Specific Gravity @ 25°C	1.09	1.2
Viscosity	45,000	1,500

b) MIXING

RTV A400/by weight		Pot Life of mix at 25°C	Demould time at 25°C
Part A	Part B		
100 parts	10 parts	1.5 hours approx.	24 hours

c) AFTER CROSSLINKING

Shore Hardness/A [ASTM D2 240 2mm film]	40
Tensile Strength/Mpa [DIN 53504]	8.2
Elongation at break/1% [DIN 53504]	360
Tear Strength KN/m [ASTMS D624 Notched Die B]	20
Linear Shrinkage/%	<0.1

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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5. PACKING

RTV A400 A+B is available in 5.5kg or 22kg kits.

6. INHIBITION

RTV A400 A+B is a polyaddition type of silicone elastomer and may be inhibited by various substances (i.e. water, tin, salts, sulphur, amines contained in natural rubber, condensation cure silicone rubber and some epoxy materials etc). It is therefore recommended that before use, trials should be carried out by the customer to ascertain the suitability of RTV A400 A+B for the given application.

7. HEALTH & SAFETY

(Refer to Health & Safety Data Sheet)

The use of this product and of its catalyst necessitates certain precautions. Avoid swallowing, contact with the skin and the eyes. If contact does occur, wash with clean water immediately, and in the case of contact with the eyes, consult a doctor.

7. SHELF LIFE

RTV A400 A+B has a minimum shelf life of six months when stored in unopened cartridges at temperatures between 18 and 25°C.

Note: If allowed to freeze RTV will be spoilt. If allowed to heat to excessive temperatures, gel times will be substantially shortened.

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