

FLEXIL-S RTV 35C + 5% Catalyst 35B

1. DESCRIPTION

Flexil-S RTV 35C + 5% Catalyst 35B is a two part silicone elastomer which cures at room temperature, to a flexible elastic 35 shore A material.

2. ADVANTAGES

- High elongation
- Good tear strength
- Precise reproduction
- Low shrinkage
- Option of a fast catalyst

3. APPLICATIONS

Suitable for the production of large moulds where a very firm but flexible material is required. May be used with polyester, polyurethane and epoxy casting resins.

4. CHARACTERISTICS

a) CONSTITUENTS:

	RTV 35C	Catalyst 35B
Appearance	Viscous fluid	Fluid
Colour	White	Clear
Specific Gravity / gcm ⁻³ @20 °C	1.11	1.00
Viscosity / cps	50,000	55

b) MIXING:

Mix ratio is 100 parts RTV to 5 parts Catalyst

RTV + 5% Catalyst	Pot Life/mins	Demould/hours	Full Cure @ 20°C
Catalyst 35B	65	8-12	7 days

When casting in Polyester or Epoxy resin, it is recommended that RTV 35C is allowed to cure for 48 hours before use.

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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c) AFTER CROSSLINKING

The addition of Accelerator No.1 enables rapid curing of RTV 35C + 5% Cat 35B.

RTV 35C	100 parts
Catalyst 35B	5 parts
Accelerator No.1	2 parts
Pot Life @ 25°C	20 minutes
Demould	2-3 hours

d) AFTER CROSSLINKING

Shore Hardness/A [ASTM D2 240 2mm film]	35
Tensile Strength/Mpa [DIN 53504]	4.8
Elongation at break/1% [DIN 53504]	310
Tear Strength KN/m [ASTMS D624 Notched Die B]	27
Linear Shrinkage	<0.5

5. PACKING

Available in 21kg kits.

6. HEALTH & SAFETY

(Refer to Health & Safety Data Sheet)

Handling and mixing of **Flexil-S RTV 35C & Cat 35B** require the following precautions:

- i. Wear gloves and goggles.
- ii. Do not eat, drink or smoke.
- iii. Avoid swallowing, skin or eye contact.
- iv. If contact does occur, wash with clean water immediately and in case of eye contact, consult a doctor.

7. SHELF LIFE

Flexil-S RTV 35C & Cat 35B have a minimum shelf life of six months when stored in the original containers at temperatures between 18 and 25°C.

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

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