

FLEXIL-S RTV 10C + 5% Catalyst S

1. DESCRIPTION

Flexil-S RTV 10C + 5% Catalyst S is a two part silicone elastomer which cures at room temperature, to a flexible elastic 10 shore A material.

2. ADVANTAGES

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

3. APPLICATIONS

Suitable for the reproduction of models with deep undercuts. Useable with thixotropic agents Additive TC and HTC for application by stiff brush or knife.

4. CHARACTERISTICS

a) CONSTITUENTS:

| | RTV 10C | Catalyst S | Catalyst F |
|---|---------------|------------|------------|
| Appearance | Viscous fluid | Fluid | Fluid |
| Colour | Beige/White | Green | Yellow |
| Specific Gravity / gcm^{-3} @20 °C | 1.23 | 1.00 | 1.00 |
| Viscosity / cps | 12,000 | 55 | 55 |

b) MIXING:

| RTV + 5% Catalyst | Pot Life/mins | Demould/hours | Full Cure @ 20°C |
|-------------------|---------------|---------------|------------------|
| Catalyst S Green | 45 | 16-24 | 7 days |
| Catalyst F Yellow | 15-20 | 2-3 | 10 hours |

c) AFTER CROSSLINKING

| | |
|---|------|
| Shore Hardness/A [ASTM D2 240 2mm film] | 10 |
| Tensile Strength/Mpa [DIN 53504] | |
| Elongation at break/1% [DIN 53504] | 650 |
| Tear Strength KN/m [ASTMS D624 Notched Die B] | 12 |
| Linear Shrinkage | <0.5 |

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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d) ADDITIVES

Additive TC & HTC when added at 2-5% to the catalysed mix will make the mixture applicable by a stiff brush or pallet knife.

5. PACKING

Available in 21kg kits.

6. HEALTH & SAFETY

(Refer to Health & Safety Data Sheet)

Handling and mixing of **Flexil-S RTV 10C & Cat S** 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 10C & Cat S 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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