

# FLEXIL-S RTV 5C + 5% Catalyst S

## 1. DESCRIPTION

*Flexil-S RTV 5C + 5% Catalyst S* is a two part silicone elastomer which cures at room temperature, to a flexible elastic 5 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 5C	Catalyst S	Catalyst F
Appearance	Viscous fluid	Fluid	Fluid
Colour	Beige/White	Green	Yellow
Specific Gravity / $\text{gcm}^{-3}$ @20 °C	1.22	1.00	1.00
Viscosity / cps	10,000	55	55

### b) MIXING:

RTV 5C + 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]	5
Tensile Strength/Mpa [DIN 53504]	2
Elongation at break/1% [DIN 53504]	700
Tear Strength KN/m [ASTMS D624 Notched Die B]	10
Linear Shrinkage	<0.5

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## 5. PACKING

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Available in 21kg kits.

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## 6. HEALTH & SAFETY

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*(Refer to Health & Safety Data Sheet)*

Handling and mixing of **Flexil-S RTV 5C & 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.

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## 7. SHELF LIFE

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**Flexil-S RTV 5C & 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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