

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

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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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