

# FLEXIL-S RTV 40C + 5% Catalyst S

## 1. DESCRIPTION

**Flexil-S RTV 40C + 5% Catalyst S** is a two part silicone elastomer which cures at room temperature, to a flexible elastic 40 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 40C	Catalyst S	Catalyst F
Appearance	Viscous fluid	Fluid	Fluid
Colour	White	Green	Yellow
Specific Gravity / gcm <sup>-3</sup> @20 °C	1.11	1.00	1.00
Viscosity / cps	50,000	55	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 S Green	75	8-12	7 days
Catalyst F Yellow	15-30	2-4	10 hours

When casting in Polyester or Epoxy resin, it is recommended that RTV 40C 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

Shore Hardness/A [ASTM D2 240 2mm film]	40
Tensile Strength/Mpa [DIN 53504]	4.1
Elongation at break/1% [DIN 53504]	300
Tear Strength KN/m [ASTMS D624 Notched Die B]	29
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 40C & 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 40C & 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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