

RTV 185 + 20% Catalyst 81B

1. DESCRIPTION

RTV 185 + 20% Catalyst 81B is a two part silicone elastomer which cures at room temperature, to a transparent, pliable low tear strength material.

2. ADVANTAGES

- Optical Transparent
- Low viscosity
- Easily pigmented
- Can be softened with silicone fluid
- Cures well in deep section

3. APPLICATIONS

Special effects where transparent material or absolute pigmentation is required.
Ideal substitute for ice effects, glass effects, jelly effects etc.

4. CHARACTERISTICS

a) CONSTITUENTS:

	RTV 185	Catalyst 81B
Appearance	Viscous Liquid	Liquid
Colour	Transparent	Clear
Specific Gravity / gcm ⁻³ @20 °C	1.00	1.00
Viscosity / cps	1,200	30

b) MIXING:

RTV + 20% Catalyst	Pot Life/mins	Demould/hours	Full Cure @ 20°C
Catalyst 81B	90	16-24	7 days

c) AFTER CROSSLINKING

Shore Hardness/A [ASTM D2 240 2mm film]	20
Tensile Strength/Mpa [DIN 53504]	
Elongation at break/1% [DIN 53504]	
Tear Strength KN/m [ASTMS D624 Notched Die B]	1-2
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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5. PACKING

Available in 6kg kits.

6. HEALTH & SAFETY

(Refer to Health & Safety Data Sheet)

Handling and mixing of **RTV 185 + 20% Cat 81B** 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

RTV 185 + 20% Cat 81B 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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