

CALSIL Machinery & Equipment

RTV PA 460 A&B



1. Product Description:

It's a 2-part addition cure silicone elastomer system.

2. Key Properties

- High tear strength
- Very low shrinkage
- Chemically resistant
- Ideal for large mouldings

3. Typical Properties (not for sales specifications, please contact us prior to writing sales specs)

Physical Properties	Units	Values
Appearance		Viscous liquid
Colour part A		Beige
Colour part B		Blue
Viscosity	mPa.s	130000
Catalysed viscosity	mPa.s	70000
Pot life	Min	60
Tensile strength	MPa	5.17
Elongation at break	%	190
Tear strength	kN/m	14.80
Hardness	Sh A	60
Specific gravity		1.31
Linear shrinkage	%	0.09
Min. service temperature	°C	-60
Max. service temperature	°C	+204

4. How to Use

Mix both the A and B parts gently to ensure homogeneity. Place the required amount of A and B parts by weight at a ratio of 10:1 in a clean plastic or metal container of approximately 3 times their volume, and mix the color of the mixture is uniform.

Degas by intermittent evacuation, the larger volume of the mixing vessel helps prevent overflow during this operation. In case of automatic dispensing with static mixing head, the two components conditions are 30-50 mbar intermittently over 5-10 min. cast the mixture either by gravity or pressure injection.

Great care must be taken when handling and mixing all addition cured silicone elastomer systems, that all the mixing tools (vessels and spatulas) are clean and constructed in materials which do not interfere with the curing mechanism.

The cure of the rubber can be inhibited by the presence of compounds of nitrogen, sulphur, phosphorus and arsenic; organotin catalyst and PVC stabilizers; epoxy resin catalyst and even contact with materials containing certain of these substances e.g. moulding clays, sulphur vulcanized rubbers, condensation cure silicone rubbers, onion and garlic.

5. Handling

This document does not contain safety precautions. Before handling this material, please read the Material Safety Data Sheet, check the label on the container, and conform to the safety, physical and hazard guidelines and precautions. The Material Safety Data Sheet is available from your nearest CALDIC office.

6. Storage and Shelf Life

This product should be stored in its original unopened containers at a temperature below 30°C. It can be used within the 24 months following its production date.

7. Packaging

It is supplied in 5.5 kg and 20 kg kits.

8. Restrictions

This ingredient is solely proposed in the above listed applications, in contact with skin or hair. It is not suitable to be used in medical, human injection, pharmaceutical or food applications.

9. Limited Warranty PLEASE READ CAREFULLY

- The information herein is offered in good faith. It is believed to be accurate at the time of shipment.
- It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.
- The product warranty is limited to the refund value of the purchase or the replacement only when it is demonstrated that the product is out of the agreed sales specifications.
- CALSIL™ is a registered trademark of CALDIC BV. All rights reserved.

For more information, please contact our nearest office

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