



FEINGOSIL PA 535 (A+B)

TECHNICAL DATA SHEET N°394

REVISION DATE 01.09.2013

REVISION: 3.0 (EN)

PROPERTIES:

CHEMICAL CHARACTERIZATION	: Addition-cured RTV-2
ODOUR	: Odourless
SOLUBILITY	: Not mixable in water, dispersible in most of solvents
ASPECT PART A	: Paste/white
ASPECT PART B	: Paste/violet
PENETRATION CONE	: 220 mm/10

CURING PROPERTIES:

MIX RATIO	: 100:100
WORKING TIME	: 2 ÷ 3 minutes
SETTING TIME	: 6 ÷ 8 minutes

PROPERTIES OF THE CROSS LINKED PRODUCT:

HARDNESS 10'	: 35 Shore A
HARDNESS 24 h	: 43 Shore A
SPECIFIC GRAVITY	: 1.45 g/cm ³
TEAR STRENGTH	: 7.0 KN/m
TENSILE STRENGTH	: 1.6 MPa
ELONGATION	: 100 ÷ 200 %
SHRINKAGE (after 24 h)	: < 0.1 %

The data given are typical values which are not intended for use in preparing specifications. The information given here is based on our present state of knowledge and is published without obligation on our part. Test has done at 23°C and 50% of RH.

This new data sheet replaces all previously printed documentation.



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PROPERTIES:

FEINGOSIL PA 535 (A+B) is a putty poly-addition silicone rubber which cures at room temperature with a low shrinkage. It's used in the hobbies sector to prepare moulds for the reproduction of objects. The product is applied directly on the object to copy. The curing is fast and hardening takes place in a few minutes from the start of mixing. You obtain rigid and resistant moulds with high fidelity of reproduction and excellent dimensional stability.

HOW TO USE:

Make sure that the model to duplicate is perfectly clean and dry.

Mix exactly the same quantity of part A and part B. If the proportions are not exactly, the curing times and the final properties can be different. Mix the mass energetically with your fingertips for about 30" until a homogeneous colour is obtained, without stripes. Then model the mass as required.

You have about 3 minutes to work with the mass, including mixing time, at room temperature. It takes 10 minutes for the demoulding.

The curing speed is influenced by the temperature. We recommend to work in an isothermal place at 23°C. Higher temperatures accelerate the curing times, lower temperatures reduce them. We suggest to wait for 24 h before using the moulds.

OTHER RECOMMENDATIONS:

Some inhibitions to vulcanization process may occur when the silicone rubber get in contact with amines, plasticines, metal salts, sulphur, tin catalyst and poly-condensation silicone rubbers. To avoid any inhibition problems, we recommend a preliminary test for the compatibility of the silicone on the material to duplicate.

We recommend the use of vinyl gloves



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PACKAGING:

- ✓ Base : Pail 25 Kg
- ✓ Catalyst : Pail 25 Kg

- ✓ Base : Pail 5 Kg
- ✓ Catalyst : Pail 5 Kg

STORAGE AND SHELF LIFE:

The product, when stored under appropriate conditions, is stable and usable for **twelve months**. Beyond this date, Feinchimica no longer guarantees that the products meet sales specifications. We suggest to keep the products in their original packaging, well-closed at a temperature between +7°C and +27°C, in well-aired places. Close always the caps after use. Do not reverse the caps. Put always the counter-caps in their packaging.

SAFETY INFORMATIONS:

FEINGOSIL PA 535 (A+B) doesn't contain toxic or corrosive compounds. It doesn't require special safety measures during handling. Follow normal safety precautions taken in the case of contact with chemicals. See, however, the safety data sheet of Base and Catalyst before use.