



SILICONA DUPLICAR A+B SHORE PROCLINIC

TECHNICAL DATA SHEET N°368

REVISION DATE 01.10.2015

REVISION: 5.0 (EN)

PROPERTIES:

ASPECT	: Viscous fluid
CHEMICAL CHARACTERIZATION	: Addition-cured RTV-2
ODOUR	: Odourless
SOLUBILITY	: Not mixable in water, dispersible in most of solvents
MIX RATIO	: 100:100

CURING PROPERTIES:

<i>PROPERTIES</i>	<i>PA 710</i>	<i>PA 716</i>	<i>PA 722</i>	<i>PA 730</i>
Colour	Blue	Light blue	Violet	Green
Viscosity (mPa·s)	2000	3000	5000	5000
Specific gravity (g/cm ³)	1.05	1.09	1.14	1.16
Working time	5 ÷ 10'	5 ÷ 10'	5 ÷ 10'	5 ÷ 10'
Setting time	30'	30'	30'	30'

PROPERTIES OF THE CROSS LINKED PRODUCT:

<i>PROPERTIES</i>	<i>PA 710</i>	<i>PA 716</i>	<i>PA 722</i>	<i>PA 730</i>
Hardness 24 h (Shore A)	10	16	22	30
Tear strength (KN/m)	2.0	3.0	4.0	5.0
Tensile strength (MPa)	1.5	2.0	2.0	2.5
Elongation (%)	300 ÷ 400	300 ÷ 400	300 ÷ 400	300 ÷ 400
Detail reproduction	20 µm	20 µm	20 µm	20 µm
Shrinkage	< 0.1 %	< 0.1 %	< 0.1 %	< 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:

Fluid poly-addition silicone rubber with high precision (linear shrinkage < 0.1%) are used in laboratory models duplication in the dental industry.

They have high fluidity, easy degassing, fast curing, excellent details reproduction, excellent dimensional stability in the time, excellent compatibility with phosphate coatings, polyurethane resins and plasters.

Furthermore they are biocompatible and non-toxic products, they don't release any substances both during and after the curing.

HOW TO USE:

Make sure that the model to duplicate is perfectly clean and dry. Before using shake well the bottles of part A and B. Weigh the same quantity of part A and B. If the proportions aren't exact, the curing times and the final properties can be different. Mix about a minute until a homogeneous colour is obtained, then pour the mixture on the model to duplicate.

Strain from 20/30 cm in height at the side of the model to remove any air bubbles.

After about 30' demould the model using a jet of compressed air.

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.

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.



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PACKAGING:

Base: Pail 20 Kg
Catalyst : Pail 20 Kg

Base: Can 5 Kg
Catalyst : Can 5 Kg

Base: Bottle 1 Kg
Catalyst : Bottle 1 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 bottles after use. Do not reverse the cap.

SAFETY INFORMATIONS:

These products don't contain toxic or corrosive compounds. They don'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.