

Product Information On

CAVEX YELLOW WAX

General Purpose Modelling Wax for Dentist and Dental Technician

Introduction

Cavex Yellow Waxes form a series of soft waxes for the dentist and the dental technician. Their main application is for blocking out undercuts and adjusting edge of impression trays.

Cavex Yellow Wax is presented in the form of yellow-coloured sheets and yellow-coloured sticks.

**Cavex Yellow Wax is developed and manufactured by
Cavex Holland B.V. of Haarlem, The Netherlands, a Company
that is certified according to the provisions of the
Council Directive 93/42/EEC of 14 June 1993 concerning Medical Devices,
against ISO 9001 and ISO 13485.**

Cavex Yellow Wax bears the CE marking of conformity.

Composition

The basic composition of Cavex Yellow Wax is approximately as given in the following Table:

	Cavex Yellow Wax	
Raw material	Sheets	Sticks
paraffin waxes(high- and low melting)	67	89
micro-crystalline paraffin waxes(high- and low melting)	30	0
Modifiers	3	11
pigment	trace amount	

Various types of paraffin's form the basic components of modelling waxes. In order to obtain the desired properties, the macro-crystalline paraffin waxes and modifiers are blended.

Manufacturing

The ingredients are carefully weighed and melted in a kettle. The molten wax is then homogenised by stirring, the pigment is added and the mixture is cooled to the desired temperature. At that temperature, the wax is poured out and cooled down below the solidification point to produce sheets or sticks.

Laboratory control

At this moment, there is no valid ISO Standard for soft modelling waxes. Our own testing-program comprises of the following tests:

1. General inspection of the sheets (colour, dimensions, surface smoothness).
2. Working properties (ease of softening over a flame, modelling over a gypsum-model).
3. Dropping point, which is a fast way of determining the melting-characteristic (ASTM D 566-64).

4. Penetration, which is a measure for the hardness of a wax (ASTM D 1321-65).

The following Table gives typical values for Cavex Yellow Wax:

	Cavex Yellow Wax	
Test	Sheets	Sticks
1. general inspection	colour and dimensions: complysurface: smooth, no cracks, no gross porosity's	
2. working properties	comply	
3. dropping point	70 - 80	
4. penetration, unit of 0.1 mm	25 - 35	40 - 45

Shelf-life test

There is no specific shelf-life test described for modelling wax. Under normal conditions, the quality of Cavex Yellow Wax is hardly impaired upon storage. It is obvious that storage at a too high temperature and/or load will lead to blocking of the wax sheets.

It is therefore recommended that the product should be stored at cool to moderate temperatures. Prevent stocking the packs too high, in particular at elevated temperatures. Under these conditions, the good quality of Cavex Yellow Wax can be guaranteed for a period of at least 5 years.

Quality Control

A batch of Cavex Yellow Wax that has passed all the tests, is released for sales.

In case of one or more requirements being not in specification, that batch is withdrawn and not sold.

Statement of non-toxicity

We hereby declare, that Cavex Yellow Wax can be safely used and are non-toxic to the patient as well as to the dental team or the dental technician.

Cavex Yellow Wax will also normally not be irritant to oral tissues and do not contain any hazardous ingredients in sufficient concentration to be harmful to human beings when used as directed.

**Haarlem,
CAVEX HOLLAND B.V.**