

Product Data Sheet

Multiwax ML 445 H

Microcrystalline Wax

Product Description

Microcrystalline waxes consist of odorless, tasteless, non-polar hydrocarbons with relatively high melting points. The Sonneborn microwax product range varies in color from white to yellow and varies in physical properties as hardness and melting point.

Physical Properties

Properties	Unit	Method	Specification
Colour		ASTM D 1500	Max. 2.0
Needle Penetration at 25°C	0.1 mm	ASTM D 1321	25-30
Congeaing point	°C	ASTM D 938	73-78
Viscosity at 100°C	mm ² /s	ASTM D 445	14-18
Drop Melting Point	°C	ASTM D 127	80-85
Flashpoint	°C	ASTM D 92	Min. 250
Oil Content	% wt	ASTM D 721	Max. 4.0

Purity

Properties	
DAB X	Pass
Kaugummi Verordnung 1977	Pass
Food Regulations UK nr. 1927	Pass
FDA: CFR 178.3710/172.886	Pass
Warenwetregeling	Pass
Kaaskorstbedekkingsmiddelen	Pass
French Circular Letter 21.03.'74	Pass
USP/NF	Pass
EP (for hard paraffin)	Pass

Applications

Microcrystalline Waxes act a.o. as bases for chewing gum, cheese wax and are natural bases in lipstick, cold creams and ointments, where they harden, lubricate, carry pigments and protect gainst moisture. FDA approved Microwax plays an important role in food packaging. Wax impregnated paper, film, foil and corrugated board protect foods from moisture.

Revision date: December 1, 2010

The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this bulletin is to be taken as a warranty, expressed or implied, regarding the accuracy of the information or the use of our product or products; nor shall anything contained herein be constructed to constitute a permission or recommendation to practice any invention covered by a patent owned by Sonneborn Refined Products B.V., any of its division, or by other, without a license from the owner of the patent