

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			Max. 2.0
Needle Penetration at 25°C	0.1 mm	ASTM D 1321	25-32
Congeaing point	°C	ASTM D 938	71-76
Viscosity at 100°C	mm ² /s	ASTM D 445	13-18
Drop Melting Point	°C	ASTM D 127	79-84
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

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 against 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 19, 2005

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