

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	25-32
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

Purity

Properties	
DAC (Deutscher Arzneimittel-Codex)	Pass
USP / NF	Pass
FDA: CFR 178.3710 / 172.886	Pass
Colipa – Recommendation No. 14 lip and oral care products	Pass
Warenwetregeling & Kaaskorstbedekkingsmiddelen	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 against moisture.

FDA approved Microwax plays an important role in food packaging. Wax impregnated paper, film, foil and corrugated board protect foods from moisture.

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