

sonneborn

Microcrystalline Wax and Wax Blends.
Absolute Purity.





Sonneborn microcrystalline waxes and wax blends.

A full spectrum of absolute purity.

Sonneborn's line of Multiwax® and wax blends brings optimum quality and new possibilities for an ever-broadening spectrum of wax applications, from candle making to chewing gum, new pharmaceutical and personal care products to protective packaging, from cheese wheels to adhesives and protective coatings. Ultra-pure and ultra-white microcrystalline wax is one bright point on Sonneborn's line of wax blends and microwaxes, a continuum of physical properties, including penetration and melting points.

The more you purify microcrystalline wax, and the more you expand its formulations and physical properties, the more wax can do for you. Sonneborn refines microwax to the highest standards of purity — across a wide spectrum of specifications, standards and applications. With production facilities in the U.S. and Europe, Sonneborn is one of the world's largest manufacturers of refined microwaxes. The results are absolute flexibility, absolute availability and absolute quality.

Sonneborn microcrystalline waxes.

Absolute refinement.

Microcrystalline wax is an ultrapure wax with unique chemical and physical properties — a versatile wax that surpasses or complements paraffin, soy and Fischer Tropsch wax.

Sonneborn Multiwax meets the need for absolute safety, flexibility and ease of formulation. Inherently ultrapure, it meets or exceeds every global standard for pharmaceutical and food-grade waxes, making it the ideal wax base for food, medical or personal care products, their coatings, wrappers, and packaging — and even adhesive seals.

The ultrapure qualities of Sonneborn's microcrystalline waxes go beyond food, drug and pharmaceutical regulations. Ultrapure wax is inherently ultra-quality wax, contaminant-free and stable — qualities that blend into applications where absolute performance is essential.

A variety of standard formulations are available and shown at right.

Sonneborn wax blends.

Absolute confidence.

Sonneborn wax blends are engineered formulations of Sonneborn microcrystalline waxes and food-grade additives. Some have become industry favorites and have been in use for decades; others are custom formulated. What our wax blends share is the ability to meet the needs of specific applications or processes — and those applications span the imagination.

Additional information can be found in our sell sheets covering various applications such as candle bases, cheese waxes and gum base waxes.

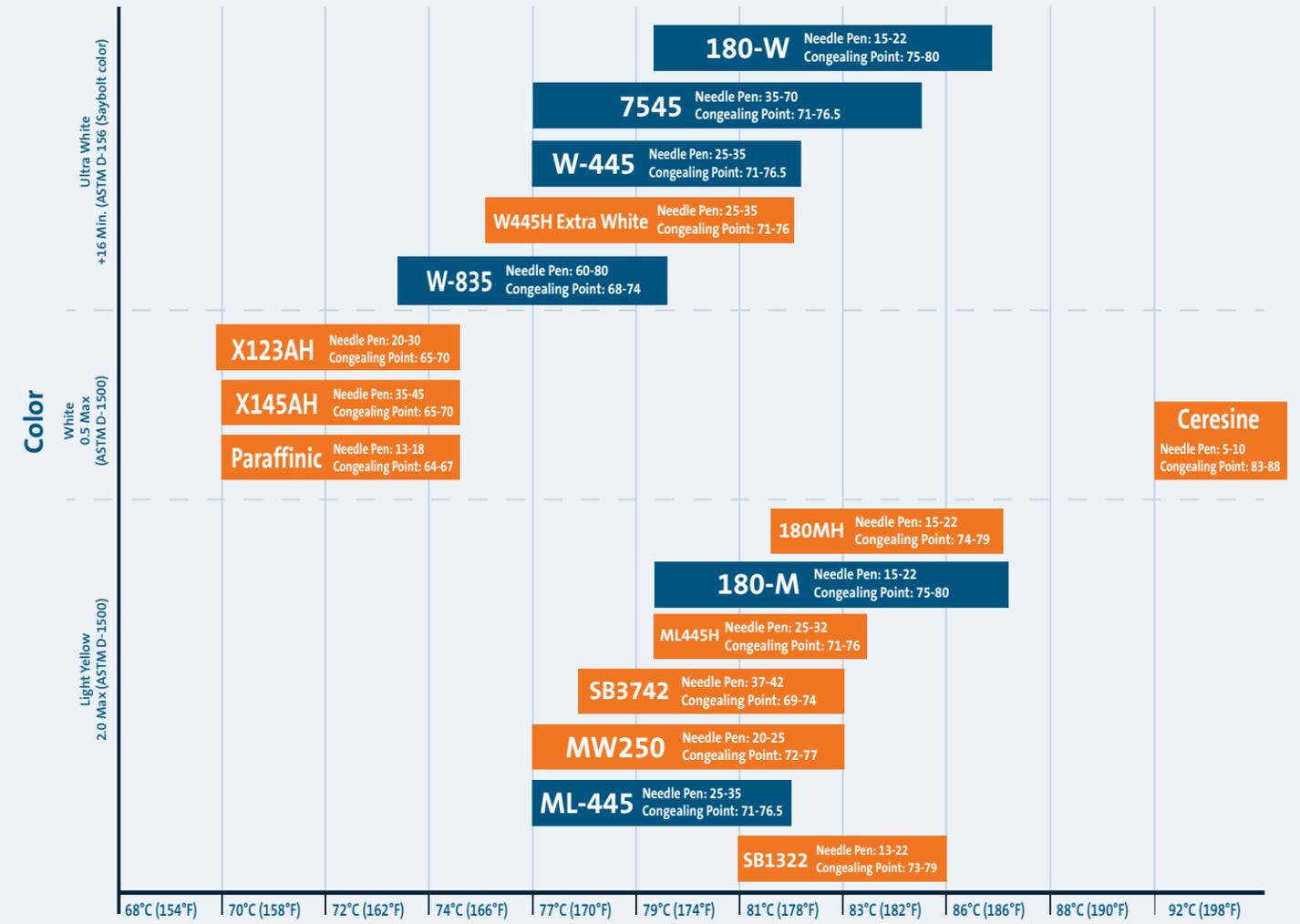
Sonneborn custom formulations.

Absolute inventiveness.

The combination of ensured product purity and our formulation and production expertise helps us create the exact microcrystalline wax or wax blend for your specific application or process. Two production plants assure ample supply and availability worldwide, supported by a pilot plant in Pennsylvania (U.S.) dedicated to new product development and testing.

We welcome a challenge. Talk to us about your special project.

Typical Values of Sonneborn Standard Multiwaxes



Melting Point ASTM-D127 °F (°C)

Needle Pen: Needle Penetration @ 25°C (77°F) ASTM D-1321
 Congealing Point: Congealing Point ASTM D-938

Production Facility

- United States**
- Netherlands**

US-supplied: SUS 75 Min. (ASTM D-2161) and mm²/s 14.3 Min. (ASTM D-445)
 NL-supplied: SUS 73 Min. (ASTM D-2161) and mm²/s 13 Min. (ASTM D-445)

All of the above grades comply with the requirements of 21 CFR 172.886 and FDA 21 CFR 178.3710 for food-grade petroleum waxes. Also they comply with the recommendations of Cosmetic Europe (former Colipa).

Moreover, the US-supplied grades meet the requirements for Microcrystalline Wax NF as per the National Formulary (current revision).

Moreover, the NL-supplied grades comply with the purity requirements of the hard paraffin monograph of the European Pharmacopoeia. In addition, they meet the requirements of the European Directive for plastic materials and articles intended to come into contact with foodstuffs.

Many of the above grades are available on special order in colors other than those listed above.



Supply and support.
Absolute confidence.

Exactly the microwax or wax blend you specified. Shipped when you need it. Every batch traceable from the plant floor to your loading dock. Always. The quality of Sonneborn microcrystalline wax and wax blends is matched by the intensity of our customer service and the strength of our supply chains. Whether shipped on a pallet, in cartons, or as bulk liquid, you'll always have the wax you need to keep production moving.

Sonneborn is one of the largest microwax suppliers in the world, with two production sites — in Petrolia, Pennsylvania, USA, and in Koog aan de Zaan, The Netherlands — assuring a global supply and dependable availability. At Sonneborn, microwaxes are a primary product, not an afterthought. With chemists and chemical engineers on two continents specializing in microwax refining and customization, we can apply any or all of our resources to meet any need—or help invent or improve products or applications.



Sonneborn Microcrystalline Waxes and Wax Blends

Specific industry sheets available for:

- Cheese
- Chewing Gum
- Candles
- Health Care
- Industrial Applications



Sonneborn makes highly refined products for hundreds of companies and thousands of applications worldwide — from personal care and pharmaceuticals to food and manufacturing.

Unlike any other company of our kind, everything we make and every action we take is based on the knowledge that nothing is more valuable to the scientists and manufacturers who use our products than absolute confidence in our products, our experts and our service.

sonneborn

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