In line with Sonneborn’s industry leadership and continuous improvement programs we are excited to introduce this new wax package. This new package is the “best in class” for the purity of our food and pharmaceutical grade Multiwax® microcrystalline wax.
Multiwax® Applications and Purity Requirements

- Sonneborn’s refined Multiwax microcrystalline waxes meet the requirements for NF and FDA requirements as per CFR 21 172.886 and this new package will protect that purity.

- Sonneborn’s Multiwax microcrystalline waxes are used in chewing gum base, and as coatings for cheese wheels.

- They are natural bases in lipstick, cold creams, ointments, and carry pigments and medication.

- Multiwax is used in dental floss and other oral care products.

- FDA compliant Multiwax plays an important role in food packaging. Wax-impregnated paper, film, foil, and corrugated board are used to protect foods.

- Many of the wax products we use daily, from crayons, candles, caulk, sealants and fine wood polishes, start with Sonneborn Multiwax.

- These and many other applications demand high purity and contamination free wax. What industry or product is comfortable with any contamination?
Sonneborn’s New SonnePak™ Wax Package

- This new package locks-in Sonneborn’s quality and locks-out contamination.

- The package is immediately sealed after filling and will protect the integrity of the wax until you are ready to use it in your products.

- This package will protect the wax from airborne particulate matter during the cooling process and will protect the wax during transit and warehouse storage.

- The new trays will easily slide out of the cartons without sticking together (no blocking) and no separator sheets will be required. Just open the narrow side of the carton and the trays will slide out with ease.

- Each tray is automatically checked for accurate weight and electronically scanned to assure there are no metal particles present. In fact, the new process eliminates mold contact entirely; there is no traditional metal mold.

- The wax packaging room is isolated and kept under positive pressure (filtered air) to keep airborne particulate contamination out of the wax packaging area.

- SonnePak™ wax package is patent pending
## Sonneborn’s New Multiwax® Package

<table>
<thead>
<tr>
<th>New Wax Package Features</th>
<th>Customer Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package is sealed immediately after filling.</td>
<td>Locks out contamination and protects the purity of the wax during transportation, warehousing and intra-plant handling at customer’s facilities.</td>
</tr>
<tr>
<td>Wax is filtered, fed into tray, sealed and then cooled within sealed package.</td>
<td>1. Eliminates environmental particulate exposure associated with cooling when cast in molds.</td>
</tr>
<tr>
<td></td>
<td>2. Eliminates particulate exposure from packaging in cardboard boxes.</td>
</tr>
<tr>
<td>Each package is filled, sealed and electronically scanned for metal particles.</td>
<td>Eliminates chance for metal contamination from traditional molds.</td>
</tr>
<tr>
<td>Each tray is electronically weighed.</td>
<td>Accurate and consistent wax slab weight every time.</td>
</tr>
<tr>
<td>Six individual 10 pound trays are packaged in a carton with no need for separator sheets and the carton will open from the side.</td>
<td>The trays will not stick together (no blocking) and will slide easily out of the side of carton.</td>
</tr>
<tr>
<td>Scored 5 pound wax slabs are also available in the new sealed tray package. There are eleven 5 pound scored slabs per carton.</td>
<td>The scored wax slab can be snapped into smaller pieces for easier handling and wax melter insertion.</td>
</tr>
<tr>
<td>The trays are made of commonly recycled plastic and can be nested in one another for neat and compact handling.</td>
<td>The empty trays can be recycled with polyethylene terephthalate (PET) a material used to make water bottles. Recycled end uses include polar fleece and carpets.</td>
</tr>
<tr>
<td>New Wax Package</td>
<td>Old Wax Slab</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Wax is filtered and the tray is sealed as soon as it is filled.</td>
<td>Wax is filtered but not immediately sealed with more exposure to environment.</td>
</tr>
<tr>
<td>Trays will slide easily out of the side of carton with no need for separator sheets.</td>
<td>Wax slabs need to be pulled out of top of carton with wax blocking where separator sheets have shifted.</td>
</tr>
<tr>
<td>Potential for shorter lead time on packaged wax orders.</td>
<td>Longer lead time required for packaged wax orders.</td>
</tr>
<tr>
<td><strong>The sealing film can easily be removed by slitting the perimeter of the film or slitting one side and peeling off the film.</strong></td>
<td>Slabs can stick together if separator sheets are out of place or missing.</td>
</tr>
</tbody>
</table>
Thinking Outside the Box
The New Standard For Protecting Food And Pharmaceutical Grade Microcrystalline Wax
10 Pound Wax Slab Comparison

- New Slab and Tray Size
  - 21.25” x 10.625” x 1.875”
  - 10 Lb. Slab

- Traditional Slab Size
  - 18.75” x 11.5” x 1.5”
  - 10 Lb. Slab

Conceptual dimensions and configurations
5 Pound Scored Wax Slab Tray

Bottom view to show the scored slab
5 Pound Scored Wax Slabs in Carton
10 Pound Slab Carton Comparison

Conceptual dimensions and configurations

FUTURE BOX

CURRENT BOX

Opens from the top

Opens from the side
10 Pound Slab Carton Comparison
New Wax Tray Shipping Pallet Comparison

- New Shipping Pallet, 45” x 45” x 3.5”
- 4-Way Design, Square in shape

- Traditional Shipping Pallet, 38” x 40” x 4.5”
- 4-Way Design, Rectangular in shape

Conceptual dimensions and configurations
Overseas Packaging – 20’ Container

New Package

Traditional Package

Conceptual dimensions and configurations (subject to slight adjustment)
Packaging for 40’ Container

New Package

Traditional Package

Conceptual dimensions and configurations (subject to slight adjustment)
Sonneborn’s New Multiwax® Package

Supplemental Information

- The number of cartons loaded on the pallets can be adjusted to best fit customer needs, trailer and container configurations.
  - Customers are encouraged to inform Sonneborn of any pallet rack weight capacity limitations.

- Tray and sealing film composition:
  - The bottom tray and sealing film are made from polymers that conform to the FDA requirements established for articles or components of articles for use in contact with food.

- Neutral (non-labeled) cartons are available upon request.

- Videos for suggested tray opening techniques are available upon request.
New Multiwax® Packaging

Summary:

Sonneborn’s Petrolia, PA plant is thrilled to introduce this inventive new wax package. By locking in Sonneborn’s purity and locking out contamination our customers can rest assured that they will be receiving the highest quality packaged microcrystalline wax available.

At this time Multiwax W-445, Multiwax W-835, Multiwax 180-W and certain specialty grades are available in the new wax package. Additional grades will be added in the future.

The wax trays will be easier to handle and will not stick together (no blocking) like the traditional slabs. After opening the narrow end of the new carton, the trays will easily slide out for use.

Lead time will be shorter and service will be quicker with the new package.

As always, Sonneborn stands ready to assist our customers and answer any questions you may have about the new wax package. Please contact your sales representative or Sonneborn’s customer care department for support:

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US Toll Free: 877.948.2688