

This is the third edition of NatureWax® News from Elevance Renewable Sciences! Our goal is to keep you informed about our candle wax products and to create a forum to address general issues and common technical questions relating to renewable waxes.

Elevance was created in November 2007 after acquiring Cargill's former NatureWax® business, along with technology capable of converting natural oils to a variety of useful products. Our products represent renewable vegetable oil based alternatives to petroleum derived materials. In this issue, we would like to introduce our new all-vegetable based pillar candle wax (NatureWax® Elite 300) suitable for both hand pouring and use on automated lines. We also want to introduce Jim Groce who recently joined the technical support team at Elevance. We hope you enjoy this publication and will consider our products for your wax needs.

Jim Groce Announcement

Jim Groce joined the Elevance technical support team in February as an Application Scientist. Jim will boost our capabilities to provide prompt technical advice and wax trial support for our existing customers and those who wish to better understand the potential to successfully use our vegetable based waxes.

Jim has a Masters degree in Analytical Chemistry from the Illinois Institute of Technology and brings a wealth of experience in research and analytical roles with several large companies. Most relevant to his new role, Jim has nine years of direct experience in the candle industry, having most recently managed the Corporate Analytical, Alternative Fuels and Innovation team at Blyth/PartyLite. His responsibilities included candle formulation and manufacturing support for multiple sites in the US and Europe. His experience with candle processing, alternative wax development and fragrance optimization will be a tremendous asset to our team... and hopefully for some of you. If you are attending the early April NCA conference in Las Vegas, please stop by the Elevance booth to meet Jim and the rest of our team!



Introducing Elite 300

Elevance is pleased to announce our new pillar wax, NatureWax® Elite 300, which will be available for testing in late April. This new pillar wax is a unique vegetable based (mainly soy) pillar wax. With a melt point in the range of 138 to 145 degrees F, the wax can be poured hot to provide a smooth sided pillar or cold to obtain a textured appearance. The Elite 300 wax is versatile enough to be used for pillars, votives, and tapers without the use of additives (other than UV) to improve performance. When dyed with light colors, the wax will produce a glow from the flame while burning - working nicely for hurricane type candles. The congeal point is high enough to also use it to produce dipped tapers.



If you wish to add fragrance, you can use up to a 6% fragrance loading without creating the bleeding problems that can often arise after shrink wrapping. This wax tends to cool and release from molds faster than a paraffin candle. While it does pull away from the mold nicely, there will be very little vertical shrink, so that a second fill may not be necessary to produce a quality candle. With the proper wick selection, the burning candle tends to flower outward rather than tunneling.

Please contact customerservice@elevance.com for more information.



JUST ASK JIM:

If you have a tech question you want answered, email techservice@elevance.com

Can you give me general recommendations as to which additives I could use to control fat bloom, cracking, synergism, etc? Are any of these additives all natural?

ALL NATURAL ADDITIVES:

Soy Methyl Ester is a softener. It can be used to help prevent cracking, and may promote glass adhesion. It will also tend to increase the burn rate. When using this material, make sure that it has an antioxidant added to prevent oxidation of the methyl ester when added.

Distilled Monoglyceride (DMG) or Universal Soy Additive (USA) is a hardener. It will increase the congeal point of the wax, making the candles cool faster. This may help control fat bloom and prevent cracking.

Stearic Acid is a hardener. It may help improve burn and cracking issues.

Coconut oil is a softener, which may give your wax a creamy appearance. It may also help improve hot throw and cracking issues.

OTHER ADDITIVES:

Microcrystalline Wax – May help control fat bloom in the blend.

Petrolatum – May help with glass adhesion and fat bloom.

Vybar/Poly Boost – May help with synergism issues and fat bloom.

For pricing or to order, contact customer service at 877.215.2795 or customerservice@elevance.com