

Sono Jell® Candle Base III

Cost Effectiveness & Performance
for Container Candles



What is Sono Jell® Candle Base III ?

- Sono Jell® Candle Base III is a highly refined petroleum wax blend intended for use as a component in the custom formulation of container candles.
- It will provide candle formulators with a starting base that can be used as an alternative to microcrystalline wax, white oil or petrolatum or combinations thereof.
- Sono Jell® Candle Base III works well with paraffin wax, soy wax, tallow wax, scale and slack wax.
- Container candles made with 50% Sono Jell® Candle Base III formulated with 50% low melt point paraffin wax demonstrated good container adhesion, good burn and good overall appearance. Similar performance was observed with a container candle formulated with 34% Sono Jell® Candle Base III, 33% low melt point paraffin wax and 33% low melt point soy wax. Both these example formulations provided an opaque appearance similar to commercial candles found in the market. Sono Jell® Candle Base III can also be used at lower levels such as 10% or as needed to modify Candle formulations.

Sonneborn Has Unique Capabilities!

- Driven by Petrolia's dual hydrotreating capabilities, pilot plant and outstanding technical staff we can use unique cost efficient raw materials enabling us to produce high quality and high value materials for the candle industry.
- Light color, no odor and competitive price are key drivers.
 - Sono Jell Candle Base III delivers here!
- Container adhesion, fragrance retention, cold throw / hot throw, single pour, clean burn, hot / cold cycle stability (no oil bleed, no adhesion issues or cracking) and surface appearance are also important.
 - Sono Jell Candle Base III delivers here.
- Long history of supplying high quality raw materials (microwax, petrolatum, white oils and PD's) to the candle industry.
- Sono Jell Candle Base III will be of consistent quality – what you see now is what you see 12 months from now.
- Investments have been made for consistent and dependable supply.
- Food Grade – this eliminates significant internal regulatory red tape.

Sono Jell® Candle Base III Specifications

Sono Jell® Candle Base III

<u>PROPERTIES</u>	<u>TEST METHOD</u>	<u>LIMITS</u>
Melting Pt., °F	ASTM D127	144 – 155
Melting Pt., °C	ASTM D127	62.2-68.3
Consistency, dmm	ASTM D937	180 – 220
Odor,	LATM 093	1.0 Max
Lovibond Color, 2” Cell	IP 17	1.0 Y Max
Color, Saybolt	ASTM D156	+22 Min.

Sono Jell Candle Base III

Features	Benefits
Consistent light color & color stability +28 Saybolt typical	Easier to pigment and will not impact candle color.
No odor	Will not impact candle fragrance. No need to deal with foul odors.
Fully refined (2 stage hydrogenation)	Good thermal, UV and color stability.
Works very well with soy wax formulations.	Good container adhesion, surface appearance, good hot and cold fragrance throw, good temperature cycling performance (no oil bleed or cracking) and clean burn.
Helps soy wax formulations cool quicker.	Soy wax based candle production lines may be able to run faster. Increased productivity.
Competitive price	Consistent quality raw material in line ₅ with costs of alternatives.

Petrolia's Technical Program for Candles

- Extensive internal development program to build upon knowledge and capabilities.
- Adding Sono Jell Candle Base III to existing commercial candles to see if there is an improvement.
- Development of additional Sonneborn new products for the candle market.
- More to come from our technical staff.
- What can Sono Jell Candle Base III do for you?



Thank You