

made from 100% homegrown soybeans



# natural wax for candlemaking

# SOY 125

- ☞ Soy 125 is a blend of soybeans & soybean oil.
- ☞ This wax is ideal for production of container candles, offering excellent and uniform adhesion.
- ☞ This wax will hold higher fragrance loads than its sister product 120 without the addition of beeswax or palm stearic.
- ☞ This product is manufactured meeting FDA and Kosher standards.

## Heating, Pouring & Cooling

- ☞ Soy 125 should be heated to temperatures of 165 to 180° in water-jacketed heaters, double boilers or in a direct heat wax heater.
- ☞ When using Soy 125 you should always avoid heating the wax for extended period of times. Doing so can discolor the wax.
- ☞ It's also recommended not to take the wax above 200° F. Vegetable waxes can begin to oxidize at elevated temperatures.
- ☞ The recommended pouring temperature is 110-150° F into a preheated container or jar.
- ☞ This wax can be poured as low as 120 degrees F, if pouring at this temperature the fragrance must be added just before pouring. The wax then must be agitated vigorously at this temperature before pouring into the preheated jar/container.
- ☞ Because of the low shrinkage properties of the wax it's only intended for use in jar/container candles.
- ☞ Do not force cool, let the candle solidify at ambient temperatures.
- ☞ Force cooling can cause very undesirable results.

## Blending the Soy 125

- ☞ Soy 125 can be used without the addition of other ingredients or additives.
- ☞ The addition of palm stearic, beeswax and palm waxes will help with the overall quality of the waxes and will help the waxes hold and disperse higher fragrance loads.
- ☞ We suggest blending Palm Stearic at 10-20% or beeswax at 5-15%.
- ☞ These ingredients can be added before the soy is completely melted or after.
- ☞ If adding these ingredients it's recommended to pour the blends at 150-160°
- ☞ Depending on how you market the wax; the following additives are very effective in the waxes; Vybar 260 and Microcrystallines.
- ☞ Always use UV stabilizers.

## Fragrance & Color

- ☞ Most fragrance oils can be used with soy.
- ☞ The maximum amount of fragrance the 125 will hold without other ingredients is 5-6% (1/2 ounce per pound).
- ☞ Certain oils can be used at higher loads but they will need to be tested on an individual basis.
- ☞ Most dyes will work well in the soy, we have found that certain liquid dyes can cause undesirable results because of their solvent base.

- ☞ If using color blocks, buttons or powdered dyes we suggest heating the wax up to 180° and stir vigorously until the color is fully dissolved.
- ☞ The product does have a slight yellowish tinge so the color does need to be adjusted accordingly.

## Wick Selection

Using the correct wick is essential in the Soy 125 for a desirable burn. Soy 125 like many of the natural waxes is very viscous can make the wick selection rather difficult. Candlewic offers a wide array of wicks that work well in the soy. We have assembled the following guidelines to assist you.



## Benefits of Soy 125

- ☞ Made from 100% homegrown soybeans.
- ☞ Natural/renewable resource
- ☞ Requires no additional additives
- ☞ Only requires one pour, no top off is necessary.
- ☞ Environmentally friendly, 100% biodegradable.
- ☞ Excellent and uniform adhesion to any container wall
- ☞ Product is manufactured meeting FDA standards

For best burn it's strongly suggested that for containers 4" and larger that you use multiple wicks.

The above wicks are only suggestions; it's essential that you test every wick, color and fragrance combination for a quality burn.

### 2 to 2.5" Containers

- ☞ RRD-29 nst 2 or RRD-34 nst
- ☞ ECO-2 or ECO-4
- ☞ P140/2-30 or P160/4-35
- ☞ CD-8 or CD-10

### 2.5" to 3" Containers

- ☞ RRD-37 nst 2 or RRD-40 nst 2
- ☞ P180/6-35 or P200/6-35
- ☞ ECO-10 or 12
- ☞ CD-12 or 14

### 3" to 3.5" Containers

- ☞ RRD-40 nst 2 or RRD-47 nst 2
- ☞ P214/4-40 or P218/2-35
- ☞ ECO 10, 12 or 14
- ☞ CD-14 or 16

### 3.5 to 4" Containers

- ☞ RRD-47 nst 2 or RRD-55 nst 2
- ☞ ECO-14
- ☞ #2 or #3 Square Braided Wick
- ☞ CD-18 or 20



## The Candlewic Company

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