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TDS –Kerax Soy-Paraffin Melt

Information

Product Description

Kerax Soy-Paraffin Melt Blend is specifically developed for the production of Wax Melts. It is suitable for further blending with fragrances and oil soluble dyestuffs. Kerax Soy-Paraffin Melt Blend is biodegradable and vegan friendly. No animal products are used, and no animal testing has been carried out in its manufacture.

Due to the prevalence of genetically modified soybean crop in the market we are unable to guarantee entirely non-GMO sources, but we aim to source non-GMO wherever possible.

Physical Properties

Test	Method	Typical
Congealing Point °C	ASTM D938	57.0
Melting Point °C	IP371	60.0
Viscosity @ 100°C	ASTM D445	5.5 cSt
Penetration @ 25°C	ASTM D1321	14 dmm
Colour	Visual	Off White

Manufacturers Notes

Kerax Soy-Paraffin Melt Blend does not require additives, other than fragrance and colour required by the Melt maker. Old or partial Melts may be remelted, and the wax reused but it is advisable not to heat the wax above 85°C or heating for extended lengths of time. Waxes should be stored in a cool, dry location away from direct heat, sunlight and moisture.

Moulds

Moulds should be clean and free of contaminants. They should be at least at room temperature, although pre-heating to approx. 45 - 50°C can be beneficial.

Colour

Most dyes work with Kerax Soy-Paraffin Melt Blend; powder, liquid, chips, blocks, etc. When using powder dyes, heat the wax to approx. 75°C, add the dye and mix until dissolved. Powder dyes may also be dissolved in fragrance and then added to the melted wax, be sure that the dye has dissolved completely before adding. When using powder dyes dissolved in fragrance, liquid dyes, or colour blocks heat the wax to 70°C. If you wish to make your Melt darker or "richer", add a little black dye to the melt.

Fragrance

Kerax Soy-Paraffin Melt Blend has been designed for fragrance at levels between 5 - 10%. Fragrance which is specifically developed for use with natural waxes is highly recommended. Burn pool size and depth greatly affect fragrance throw so correct wicking is paramount. Some fragrances may react poorly with the wax causing bleeding, objectionable surface finishes or poor flame quality. This has been found to be exaggerated when using fragrances specifically designed for use in Paraffin wax Melts.

Melting

Temporary high temperatures (up to 90°C) have no adverse effect as long as the wax is cooled back down quickly. Higher temperatures may cause the wax to discolour. Allow the wax to cool to your desired pour temperature, add the fragrance and mix well. Be sure to stir/mix the wax while melting. Avoid using Pillars containing copper and zinc as this may accelerate discolouration. Stainless Steel is the material of choice although mild steel is acceptable. Digital temperature probes are readily available and are a safer choice than the traditional Mercury in glass type.

Pouring

Pour temperatures may vary according to mould type & size, fragrance & dye used and the effects the Melt maker wishes to achieve. Greater release from the moulds may be achieved by pouring at temperature of around 55 - 65°C, although this will be dependent upon the size and shape of the Melt being produced. Fragrance should be added and mixed immediately prior to pouring where practical. If you experience difficulties with your pour temperature, try a lower or higher temperature in increments of 5 - 10°C. Cool undisturbed Melts at room temperature (about 20 – 25°C). Melts should be allowed to sit undisturbed for 12 hours before testing