

Quantum | Q210 | Q220 | Q230

Candle Manufacturing Instructions

Wax Melting Temperature

- Under gentle agitation, melt the wax to a minimum of 155°F (68.3°C) and a maximum of 185°F (85°C). Melted wax may be stored just above its melt point. Refer to the Product Data Sheet for storage details.

Wicking

- Wick size and type depends on candle size, type, shape, scent, color and desired burn characteristics. Wicks designed for viscous waxes like plant-based and beeswax tend to work best. Please refer to the online charts offered by wicking companies for size and type application information.

Fragrance

- Maximum load is about 18% by weight. Our Quantum Technology is entirely new to the wax industry. As with everything new, it is important to test fragrance compatibility to achieve optimal performance.

Pour Temperature

- As a guideline, we suggest pouring between 145°F (62.8°C) and 175°F (79.4°C). Pour temperature may vary depending on equipment, facility conditions, candle configurations, seasonal changes, etc.

Test Burning

- Test burn candles for burn pool diameter and quality after they have setup (cured, dried) for at least 48 hours. Every combination of container, wax, dye, fragrances, and wick should be tested for burn quality.

Helpful Hint

- To improve a candle's performance, test for one variable at a time to isolate a cause and change its effect. Variables may include: container, wax, dye, fragrance, wick, pour temperature, manufacturing conditions and environmental conditions such as cooling temperature.
- For example, make a candle in a container with only the wax and wick (no dye or fragrance). One at a time, change a variable such as adding dye but no fragrance to the candle. Be sure to try different manufacturers and types of fragrances, wicks, dyes, etc., until you have your desired results.