

Application Note

Temperature dependence of melt viscosity of candle

1. Scope

candles

2. Precautions

None.

3. Post-measurement procedure

The sample container and the sample are discarded appropriately.

4. Apparatus

5. Reagents

Sample : Japanese candle made of domestic beeswax, Candle made of paraffin wax

6. Procedure

- 1) Enter the following conditions in measurement condition of the sequence mode of control software.

Measurement mode : 100 50°C(5°C interval)

- 2)

es
the sample in the solid state to
controlled to
100
- 3) Click the measurement button after confirming that the sample has melted by the built-in camera.

7. Example

The measurement results about the temperature dependence of the melt viscosity of candle are shown in Figure 1 and Table 1, 2.

Japanese candle made of domestic beeswax is melted at 65 or more and the candle made of paraffin wax is melted at 60 or more. The temperature dependence of the melt viscosity can be measured.

Moreover, the melt viscosity of Japanese candle made of domestic beeswax at each temperature is able to obtain a high value compared with that of the candle made of the paraffin wax.

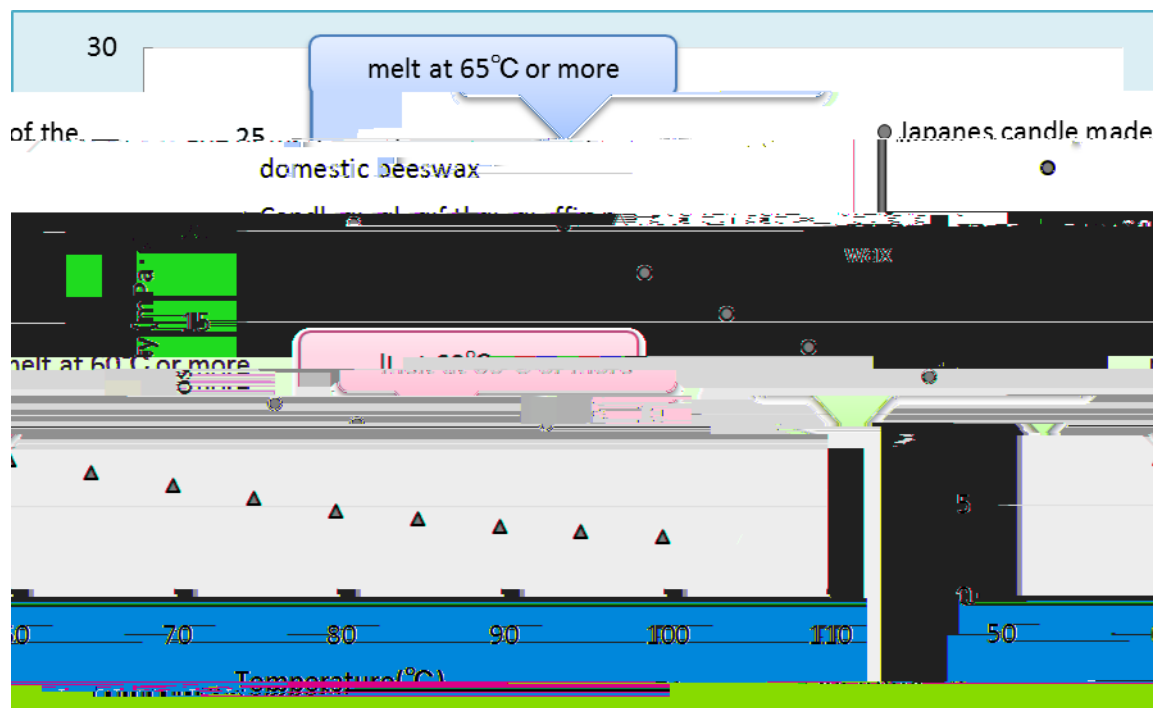


Table 1. Measurement r

Frequency of measurement	Temperature (°C)							
	65	70	75	80	85	90	95	100
1st	23.5	20.3	17.4	15.4	13.6			