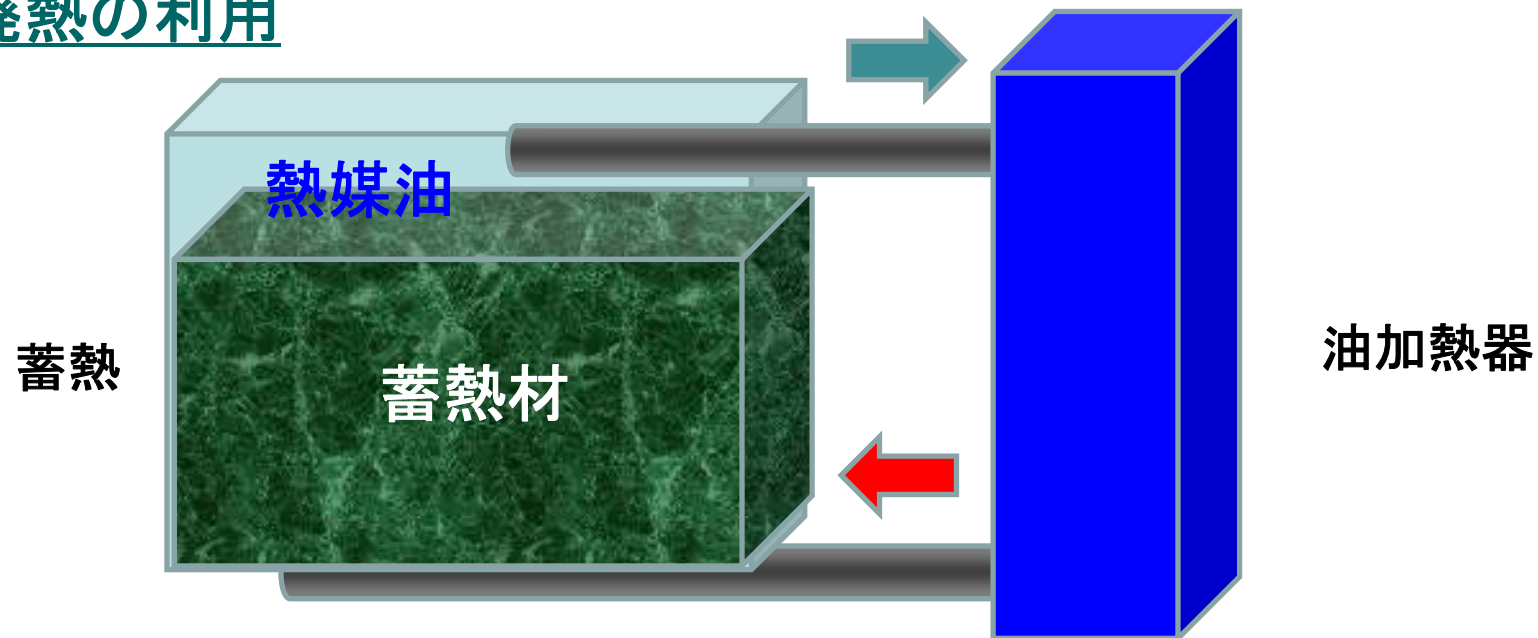
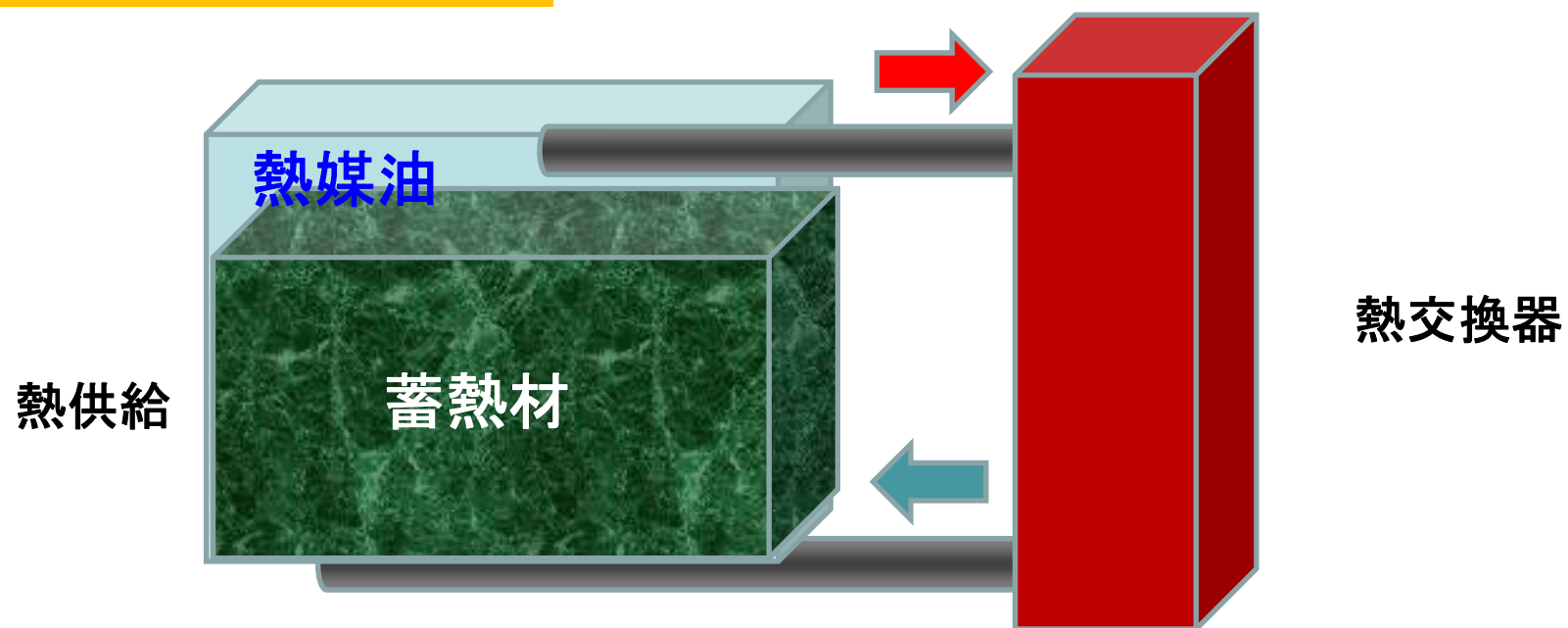


物質の熱的性質に関わるトピックス

低温廃熱の利用



潜熱(相転移熱), 顕熱



熱エネルギー輸送



蓄熱



輸送
輸送

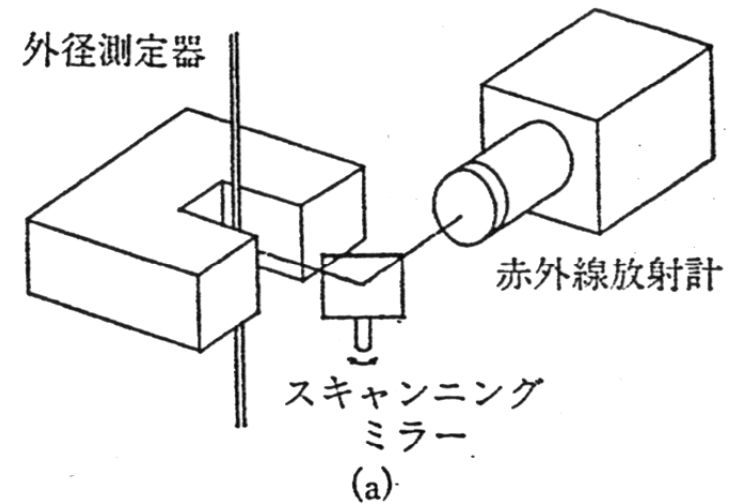
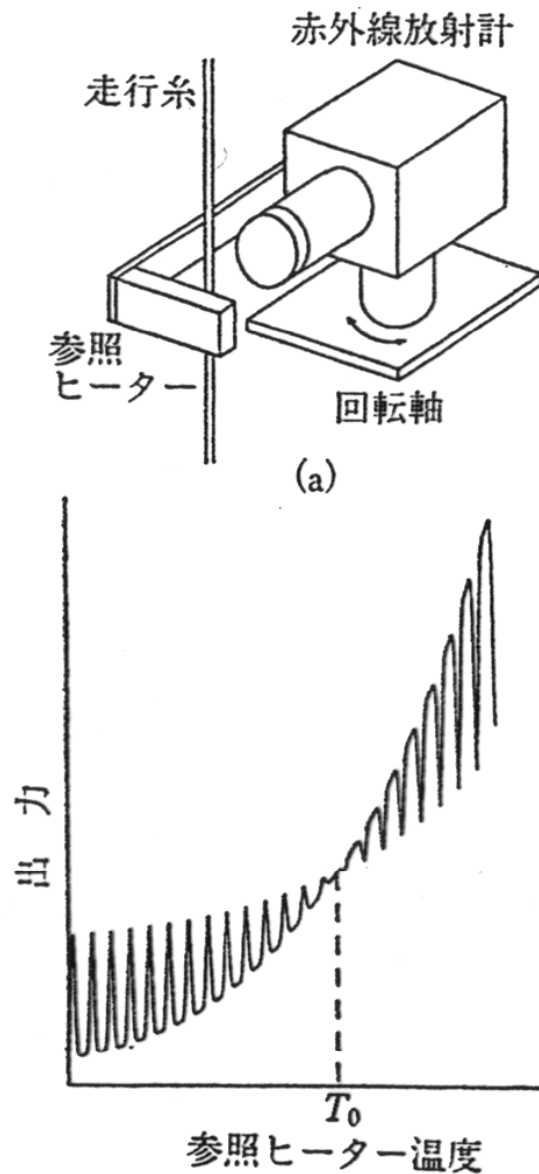


熱供給

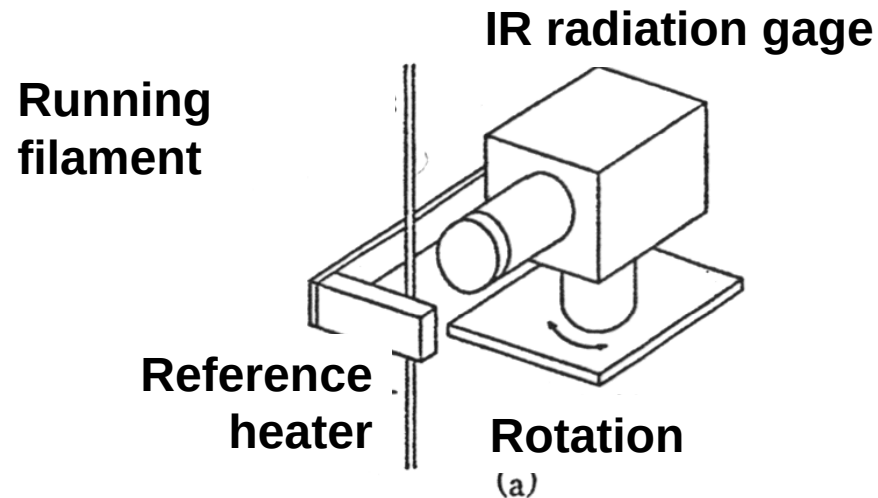
物質	融点 (°C)	融解熱(kJ/kg)
エリスリトール	119	340
塩化カルシウム6水和物	30	150
水	0	333

Erythritol: $\text{OH-CH}_2\text{-CH(OH)-CH(OH)-CH}_2\text{-OH}$

On-line temperature measurement

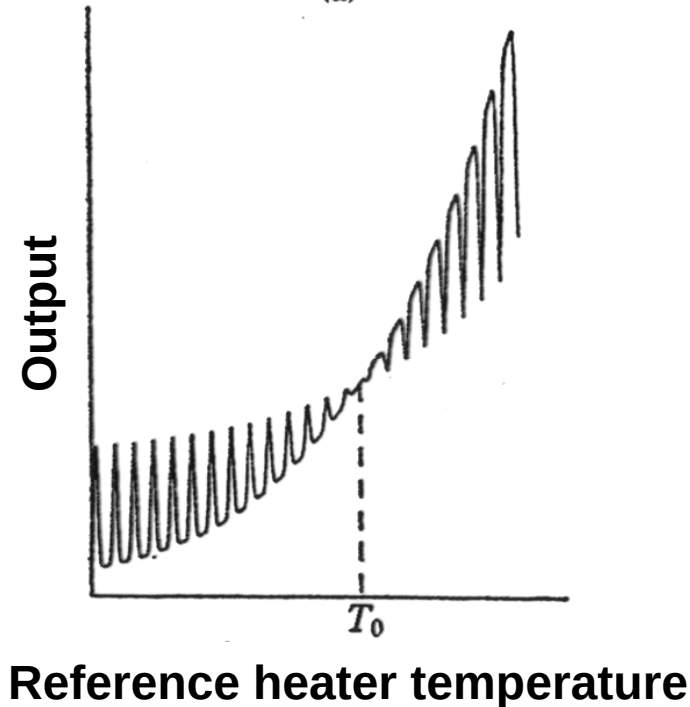


On-line temperature measurement

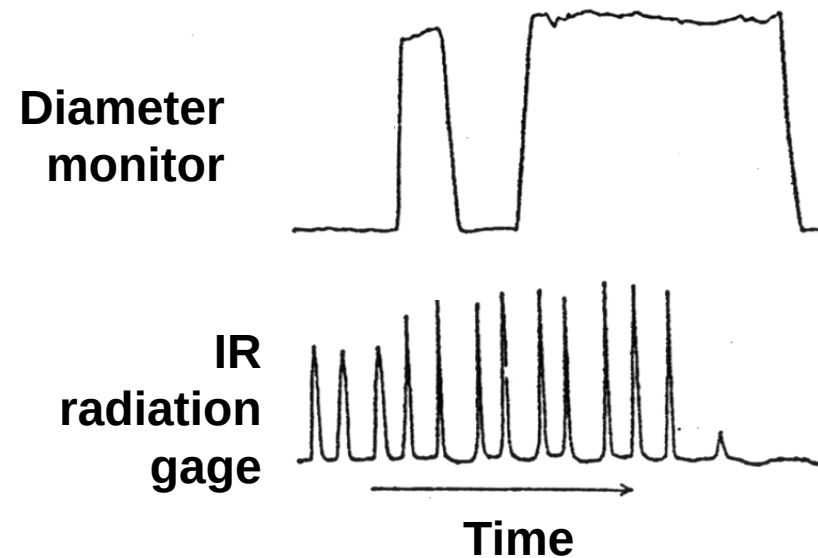
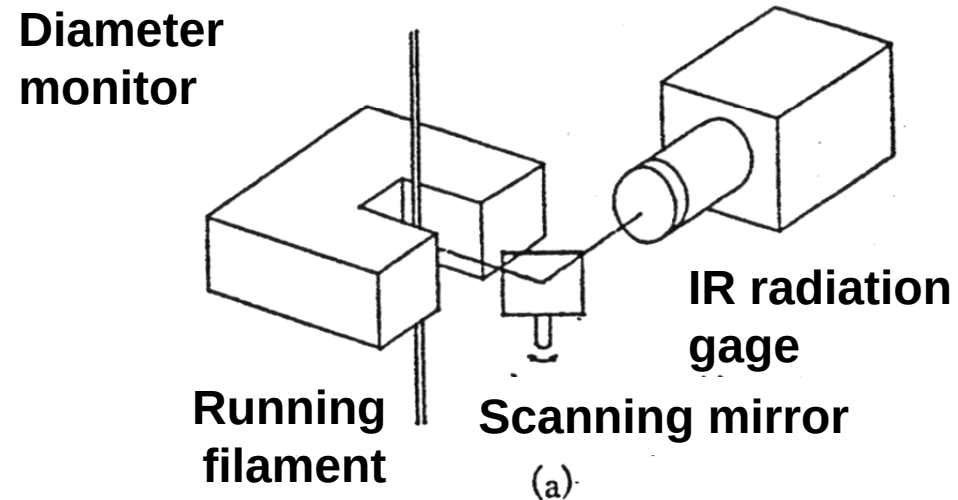


Infrared radiation gage for PET

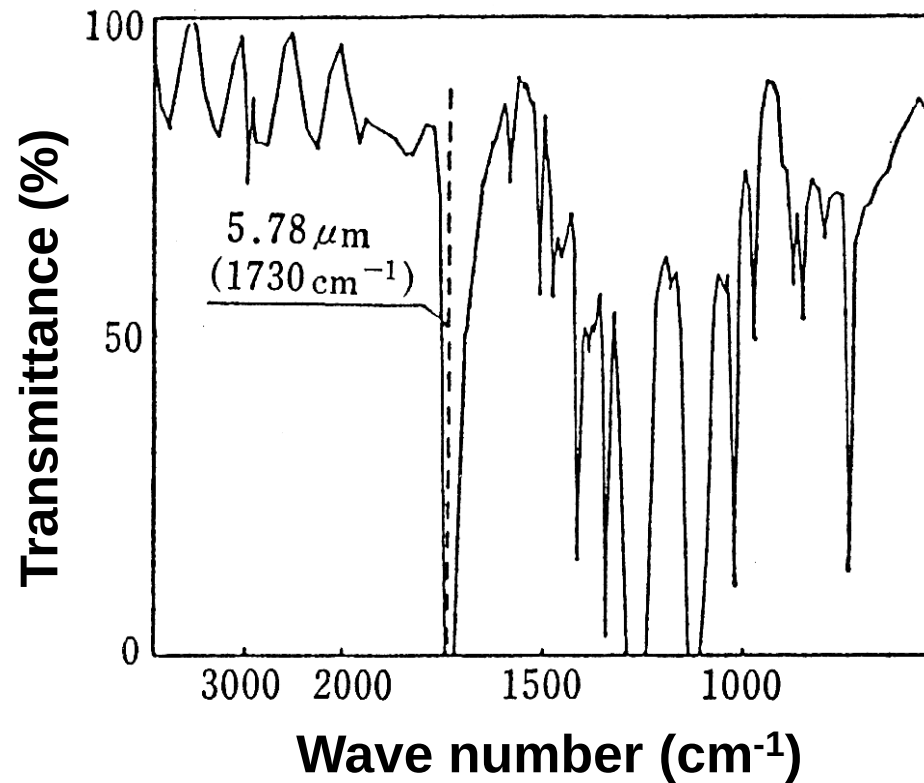
Band pass filter 1780 cm^{-1}
Absorption band of C=O
Black body



On-line temperature measurement



On-line temperature measurement



At 1730 cm⁻¹, which corresponds to absorption band of carbonyl, PET can be regarded as a black body.

No change of emissivity with thickness of fiber