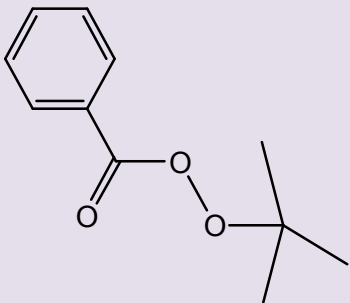
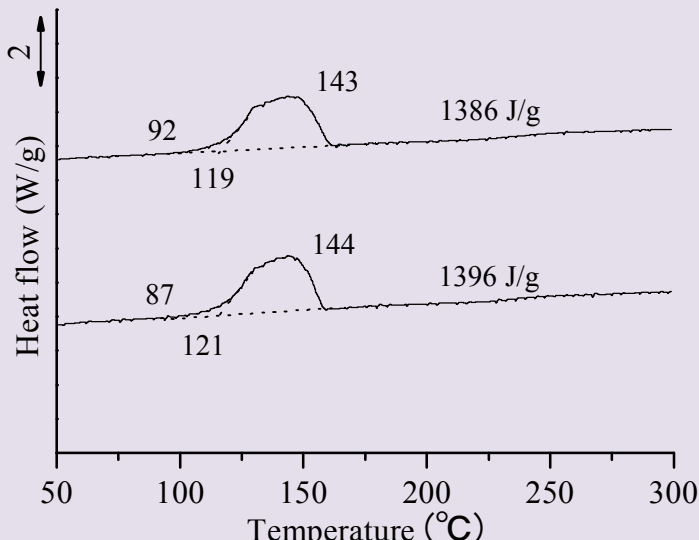
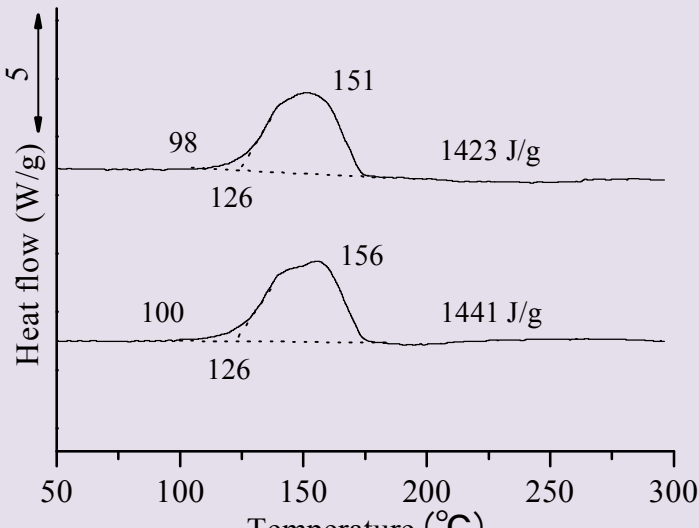
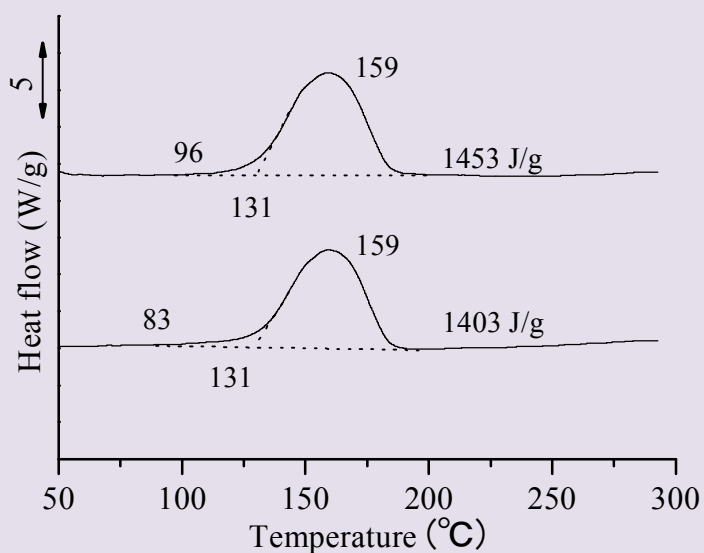


tert-Butyl perbenzoate	$C_{11}H_{14}O_3$ TBPBZ
	DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: AlfaAesar (> 98%)
a) 2 K/min AlfaAesar: AlfaAesar社 (販売 和光純薬工業株式会社)	
	<Average> T_a : 90 °C T_o : 120 °C T_{top} : 144 °C Q_{DSC} : 1391 J/g
b) 5 K/min	
	<Average> T_a : 99 °C T_o : 126 °C T_{top} : 154 °C Q_{DSC} : 1432 J/g

c) 10 K/min



<Average>

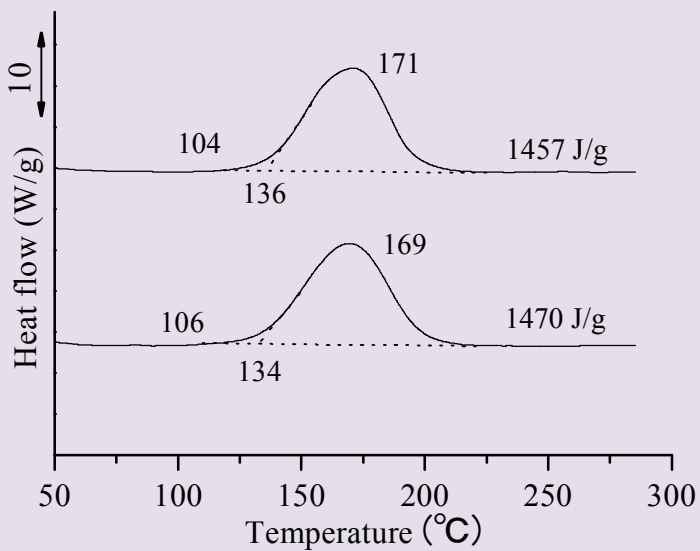
T_a : 90 °C

T_o : 131 °C

T_{top} : 159 °C

Q_{DSC} : 1428 J/g

d) 20 K/min



<Average>

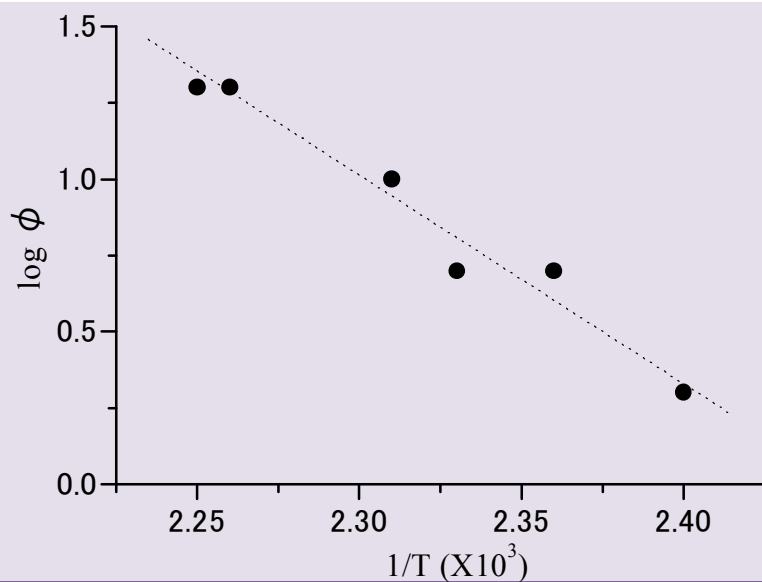
T_a : 105 °C

T_o : 135 °C

T_{top} : 170 °C

Q_{DSC} : 1464 J/g

ASTM PLOT



$\Delta E : 128 \text{ kJ/mol}$
 $A : 3.79 \times 10^{22}$
 $r : -0.98524$

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	143	416	2.40	0.301
	144	417	2.40	0.301
5	151	424	2.36	0.699
	156	429	2.33	0.699
10	159	432	2.31	1.00
	159	432	2.31	1.00
20	169	442	2.26	1.30
	171	444	2.25	1.30