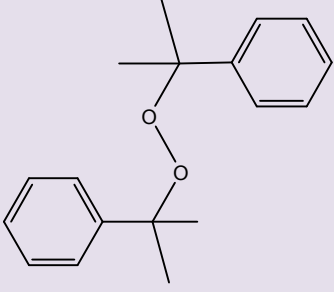
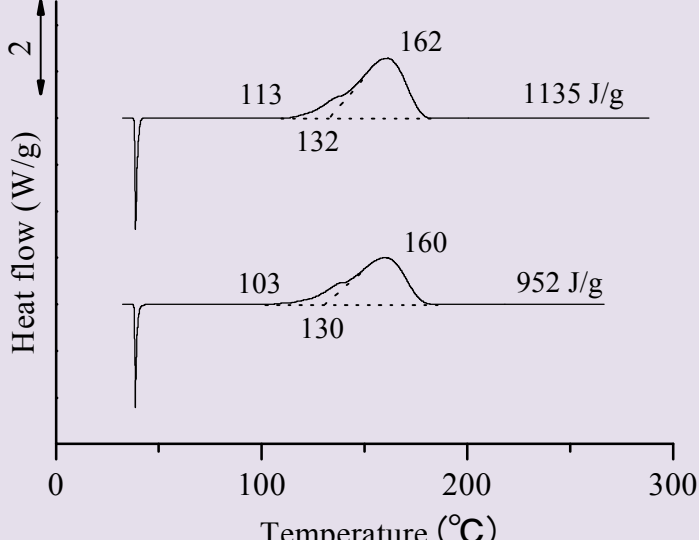
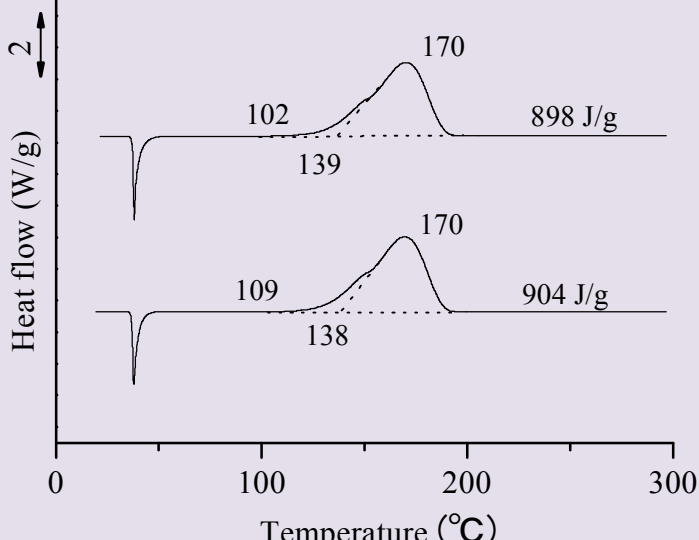
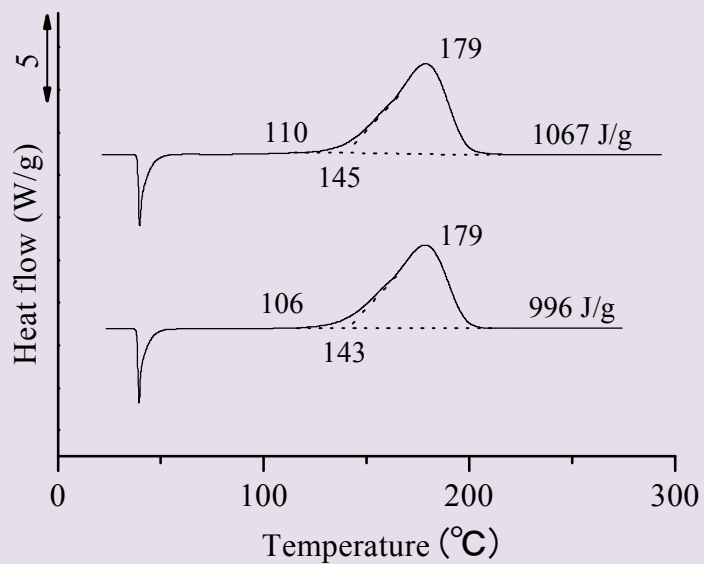


<p>Dicumyl peroxide</p>	<p>$C_{18}H_{22}O_2$ DPC</p>
	<p>DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: ALDRICH (> 98%)</p>
<p>a) 2 K/min</p>	
	<p><Average> T_a: 108 °C T_o: 131 °C T_{top}: 161 °C Q_{DSC}: 1044 J/g</p>
<p>b) 5 K/min</p>	
	<p><Average> T_a: 106 °C T_o: 139 °C T_{top}: 170 °C Q_{DSC}: 901 J/g</p>

c) 10 K/min



< Average >

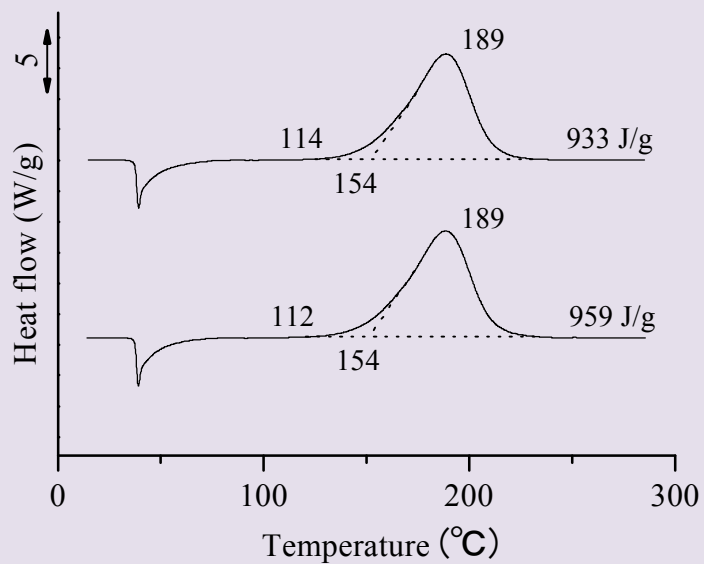
T_a : 108 °C

T_o : 144 °C

T_{top} : 179 °C

Q_{DSC} : 1032 J/g

d) 20 K/min



< Average >

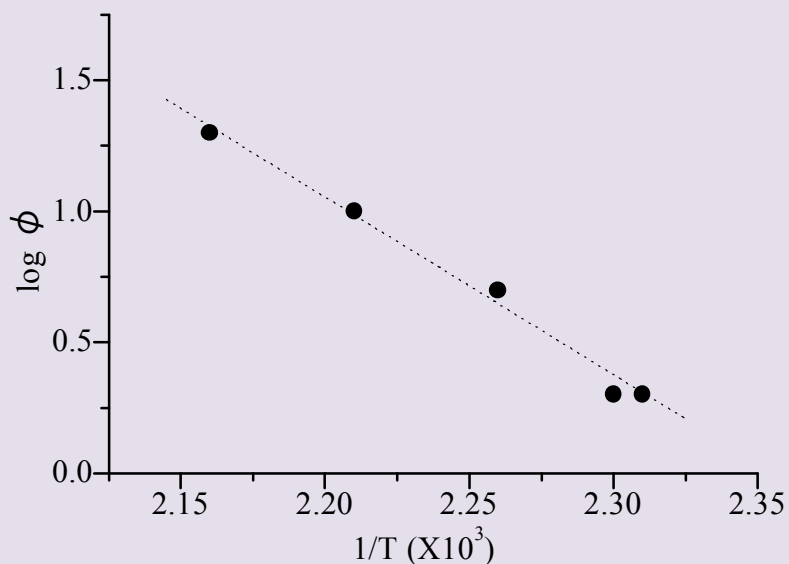
T_a : 113 °C

T_o : 154 °C

T_{top} : 189 °C

Q_{DSC} : 946 J/g

ASTM PLOT



Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	162	435	2.30	0.301
	160	433	2.31	0.301
5	170	443	2.26	0.699
	170	443	2.26	0.699
10	179	452	2.21	1.00
	179	452	2.21	1.00
20	189	462	2.16	1.30
	189	462	2.16	1.30