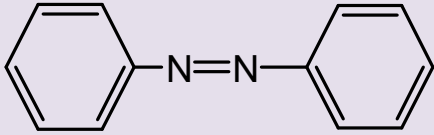
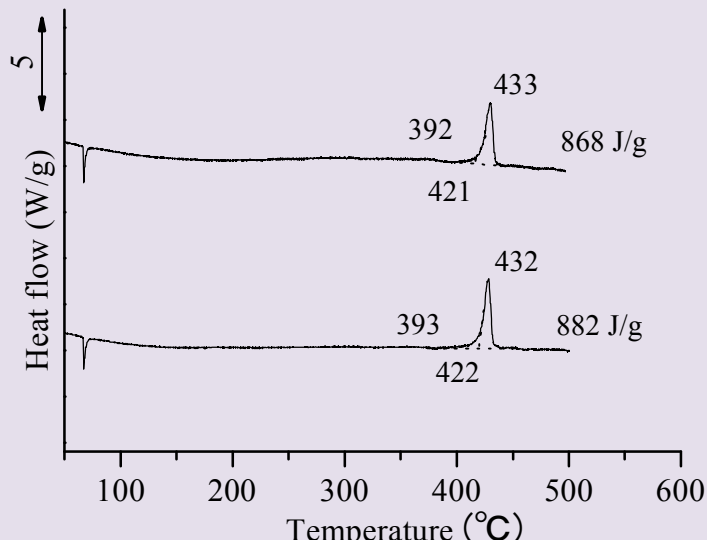
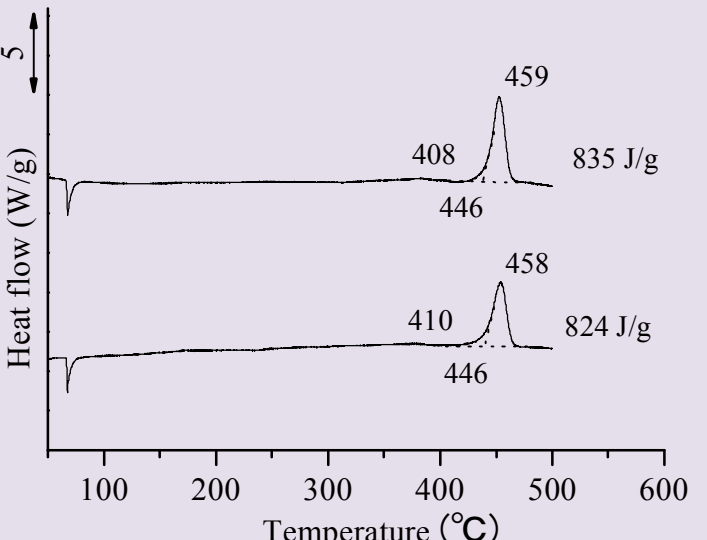
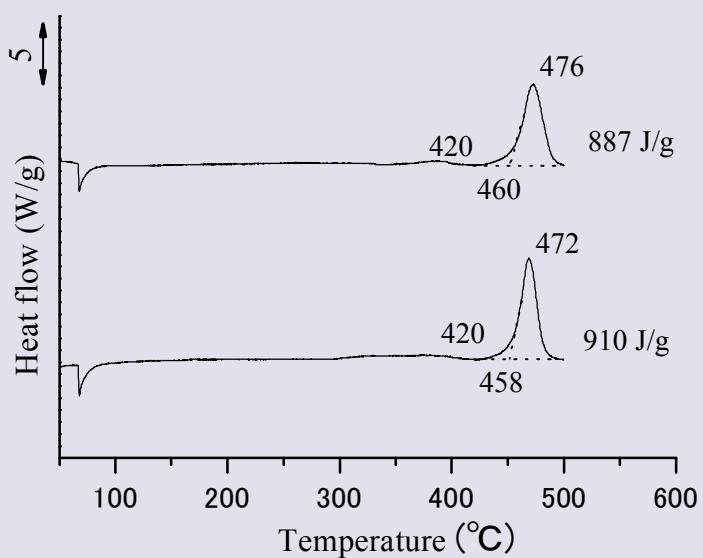


Azobenzene	$C_6H_5N:NC_6H_5$ AzoB
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako
a) 2 K/min Wako: 和光純薬工業株式会社	
 <div style="float: right; margin-top: 20px;"> <p><Average></p> <p>T_a: 393 °C</p> <p>T_o: 422 °C</p> <p>T_{top}: 433 °C</p> <p>Q_{DSC}: 875 J/g</p> </div>	
b) 5 K/min	
 <div style="float: right; margin-top: 20px;"> <p><Average></p> <p>T_a: 409 °C</p> <p>T_o: 446 °C</p> <p>T_{top}: 459 °C</p> <p>Q_{DSC}: 830 J/g</p> </div>	

c) 10 K/min



< Average >

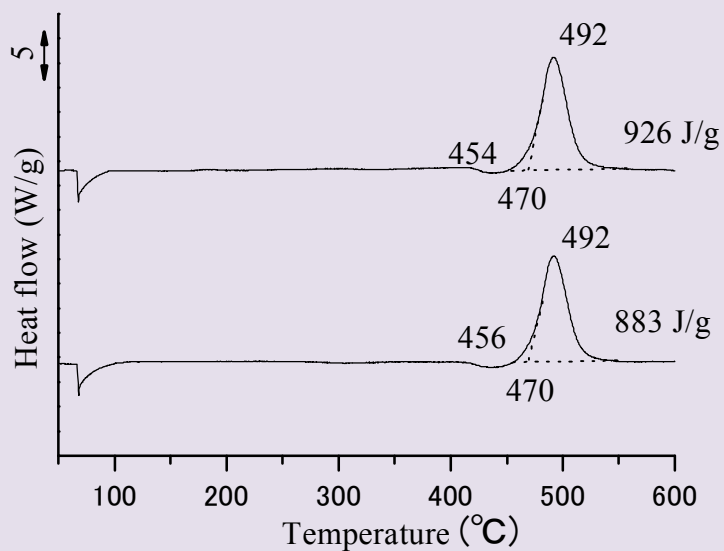
T_a : 420 °C

T_o : 459 °C

T_{top} : 474 °C

Q_{DSC} : 899 J/g

d) 20 K/min



< Average >

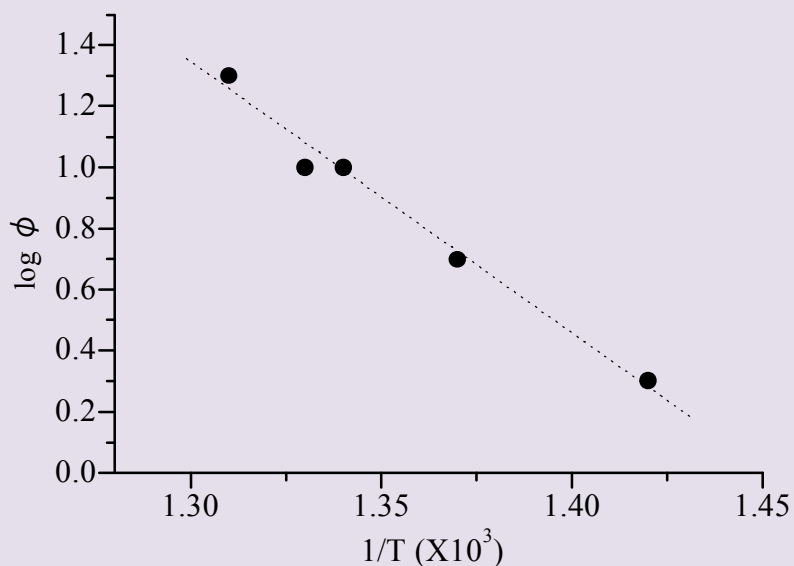
T_a : 455 °C

T_o : 470 °C

T_{top} : 492 °C

Q_{DSC} : 905 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	433	706	1.42	0.301
	432	705	1.42	0.301
5	459	732	1.37	0.699
	458	731	1.37	0.699
10	476	749	1.33	1.00
	472	745	1.34	1.00
20	492	765	1.31	1.30
	492	765	1.31	1.30