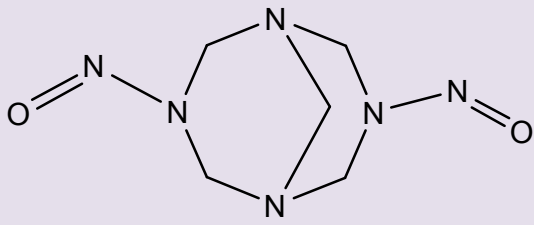
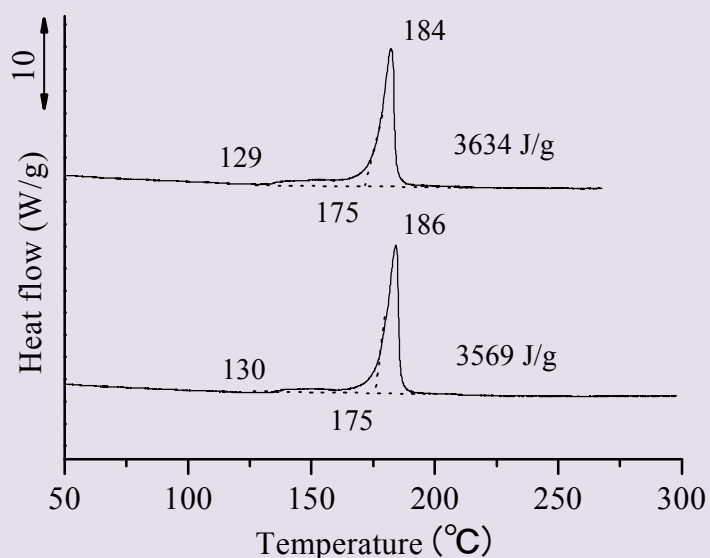


<p>N,N'- Dinitrosopentamethylenetetramine</p>	<p>C<sub>5</sub>H<sub>10</sub>N<sub>6</sub>O<sub>2</sub> NNDNP</p>
	<p>DSC device: DSC8270B                  Rigaku Corp.                  dT/dt: 2, 5, 10, 20 K/min                  Atmosphere: Air                  Vesel: pressure vessel (SUS)                  Rigaku Corp.                  Sample: Wako (≥95.0%)</p>

a) 2 K/min

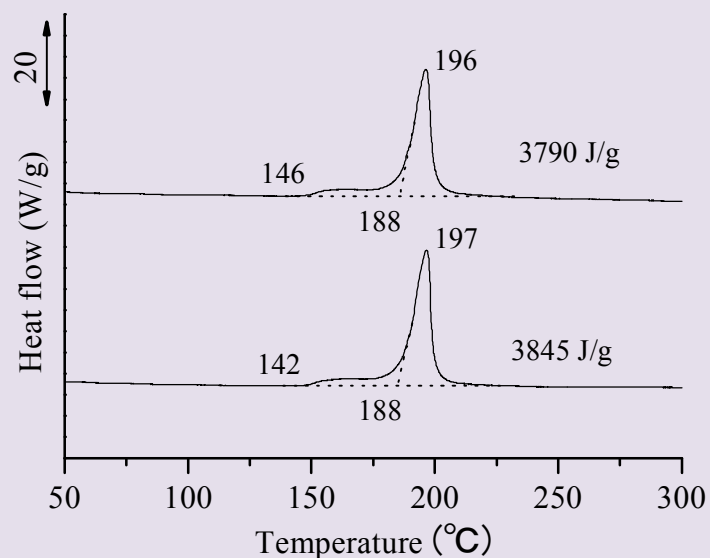
Wako: 和光純薬工業株式会社



<Average>

T<sub>a</sub>: 130 °C  
 T<sub>o</sub>: 175 °C  
 T<sub>top</sub>: 185 °C  
 Q<sub>DSC</sub>: 3602 J/g

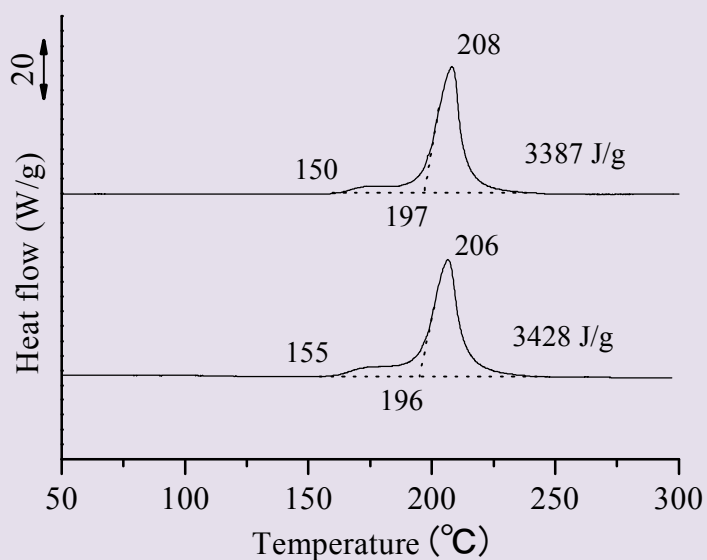
b) 5 K/min



<Average>

T<sub>a</sub>: 144 °C  
 T<sub>o</sub>: 188 °C  
 T<sub>top</sub>: 197 °C  
 Q<sub>DSC</sub>: 3818 J/g

c) 10 K/min



<Average>

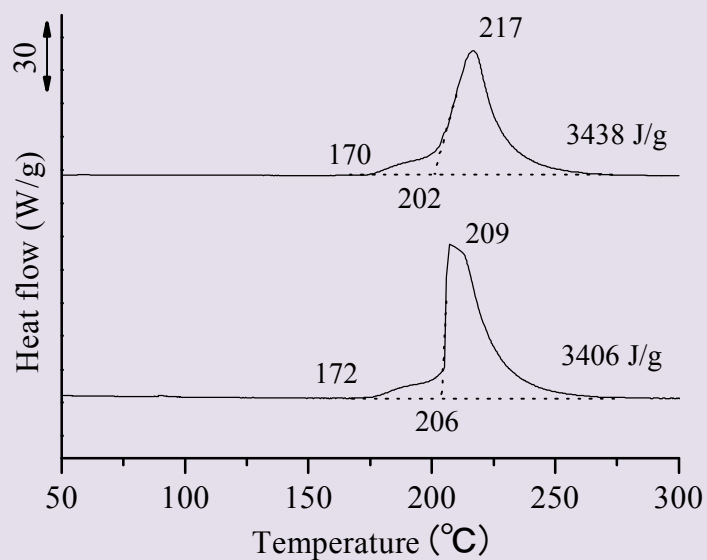
$T_a$  : 153 °C

$T_o$  : 197 °C

$T_{top}$  : 207 °C

$Q_{DSC}$  : 3408 J/g

d) 20 K/min



<Average>

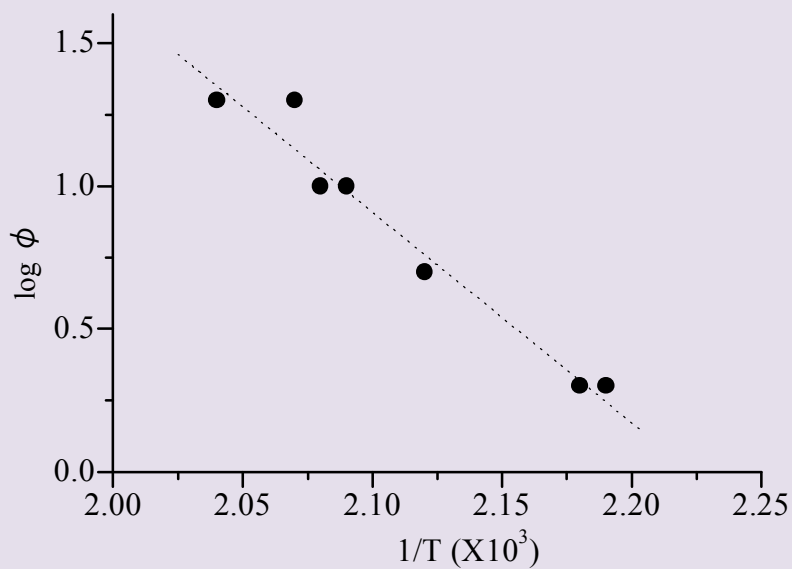
$T_a$  : 171 °C

$T_o$  : 204 °C

$T_{top}$  : 213 °C

$Q_{DSC}$  : 3422 J/g

## ASTM PLOT



Heat rate $\phi$ (K/min)	$T_{\text{peak}}$ ( $^{\circ}\text{C}$ )	$T_m$ (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	184	457	2.19	0.301
	186	459	2.18	0.301
5	198	471	2.12	0.699
	199	472	2.12	0.699
10	208	481	2.08	1.00
	206	479	2.09	1.00
20	217	490	2.04	1.30
	209	482	2.07	1.30