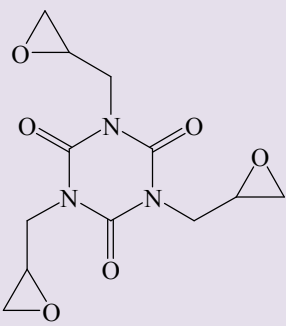
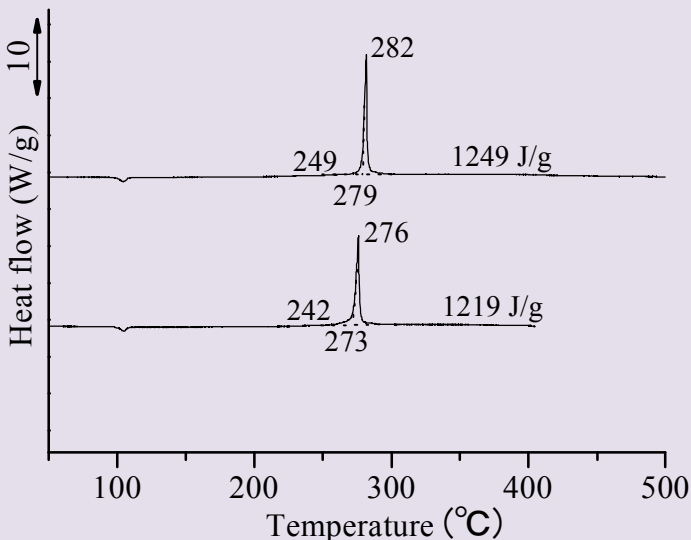
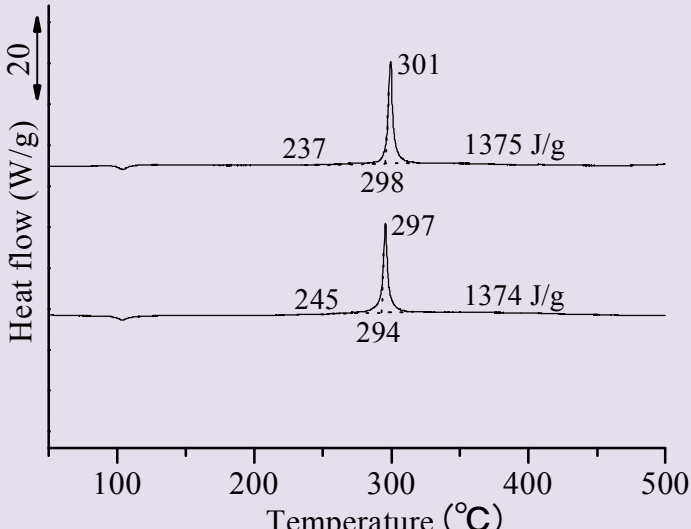
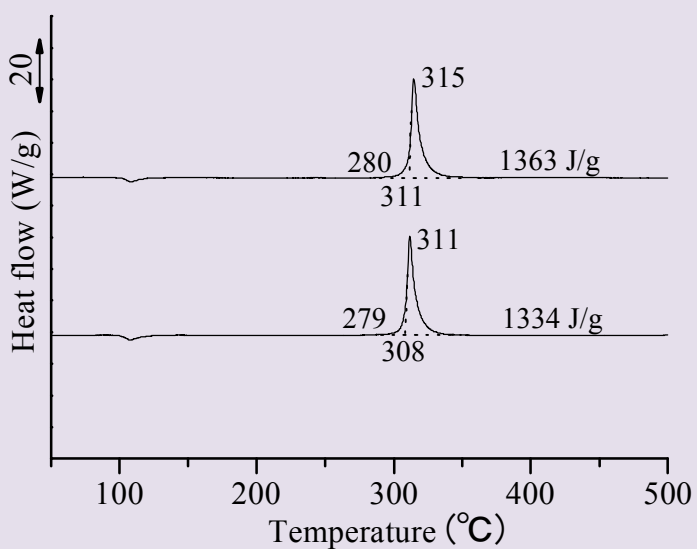


Triglycidyl isocyanate	$C_{12}H_{15}N_3O_6$ tGIS										
	DSC device : DSC8270B Rigaku Corp. dT/dt: 2 , 5, 10, 20 K/min Atmosphere: Air Vesel : pressure vessel (SUS) Rigaku Corp. Sample : ALDRICH (> 98.0%)										
a) 2 K/min											
 <table border="1" data-bbox="1021 884 1324 1153"> <thead> <tr> <th colspan="2"><Average></th> </tr> </thead> <tbody> <tr> <td>T_a :</td> <td>246 °C</td> </tr> <tr> <td>T_o :</td> <td>276 °C</td> </tr> <tr> <td>T_{top} :</td> <td>279 °C</td> </tr> <tr> <td>Q_{DSC} :</td> <td>1234 J/g</td> </tr> </tbody> </table>		<Average>		T_a :	246 °C	T_o :	276 °C	T_{top} :	279 °C	Q_{DSC} :	1234 J/g
<Average>											
T_a :	246 °C										
T_o :	276 °C										
T_{top} :	279 °C										
Q_{DSC} :	1234 J/g										
b) 5 K/min											
 <table border="1" data-bbox="1045 1545 1356 1814"> <thead> <tr> <th colspan="2"><Average></th> </tr> </thead> <tbody> <tr> <td>T_a :</td> <td>241 °C</td> </tr> <tr> <td>T_o :</td> <td>296 °C</td> </tr> <tr> <td>T_{top} :</td> <td>299 °C</td> </tr> <tr> <td>Q_{DSC} :</td> <td>1374 J/g</td> </tr> </tbody> </table>		<Average>		T_a :	241 °C	T_o :	296 °C	T_{top} :	299 °C	Q_{DSC} :	1374 J/g
<Average>											
T_a :	241 °C										
T_o :	296 °C										
T_{top} :	299 °C										
Q_{DSC} :	1374 J/g										

c) 10 K/min



<Average>

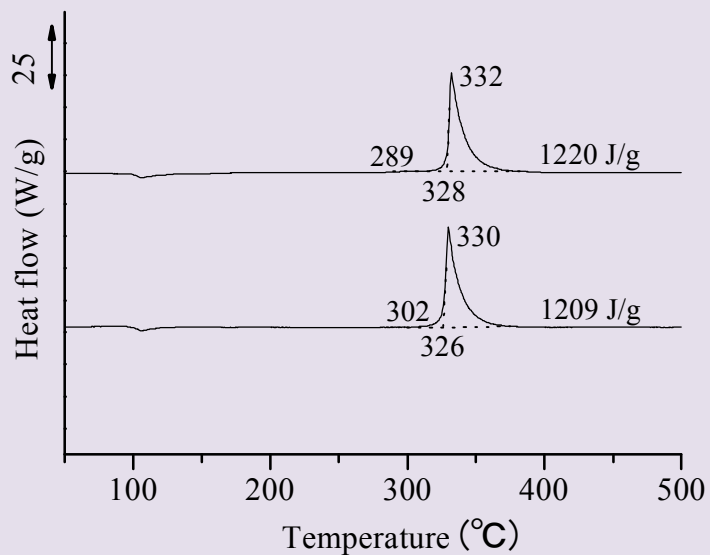
T_a : 280 °C

T_o : 310 °C

T_{top} : 313 °C

Q_{DSC} : 1349 J/g

d) 20 K/min



<Average>

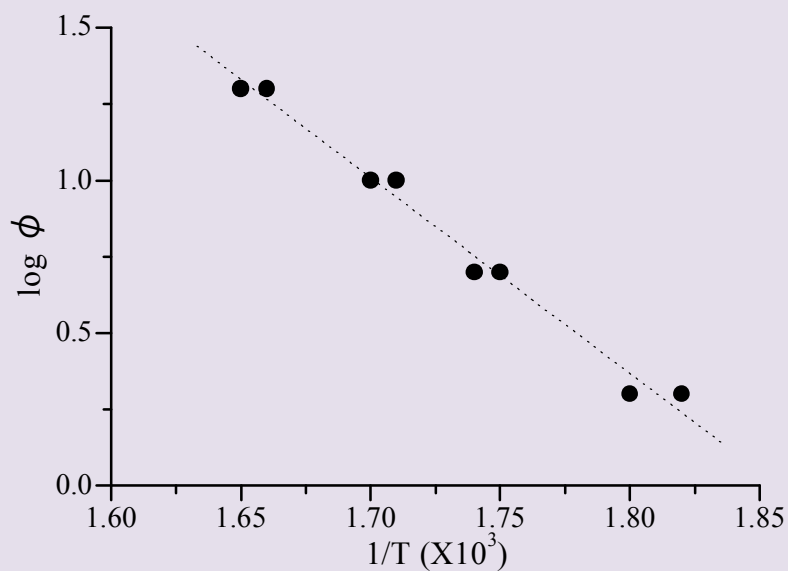
T_a : 296 °C

T_o : 327 °C

T_{top} : 331 °C

Q_{DSC} : 1215 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	282	555	1.80	0.301
	276	549	1.82	0.301
5	301	574	1.74	0.699
	297	570	1.75	0.699
10	315	588	1.70	1.00
	311	584	1.71	1.00
20	332	605	1.65	1.30
	330	603	1.66	1.30