



**Thermogram of poly (ethylene glycol) methyl ether (Mn≈5000)**

**Thermal analysis of the sample# P7079-EOCL**

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 20°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature ( $T_g$ ).

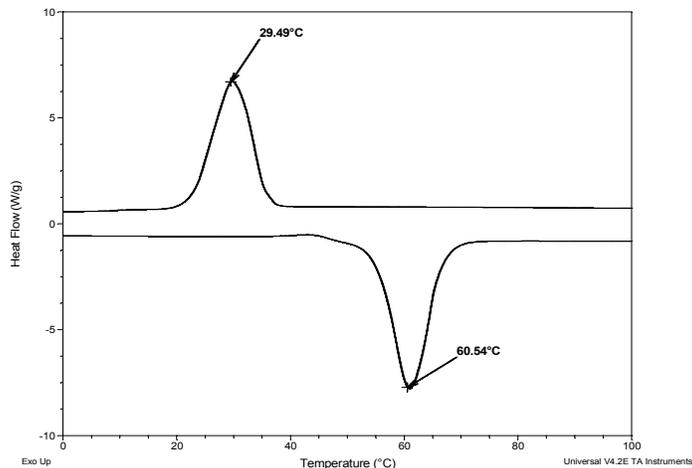
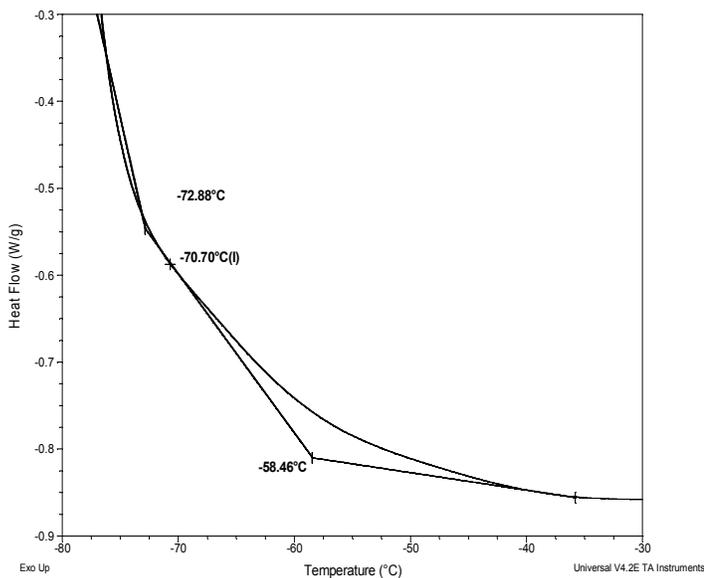
**Melting and crystallization curve for the sample**

The melting temperature ( $T_m$ ) was taken as the maximum of the endothermic peak where as the crystallization temperature ( $T_c$ ) was considered as the minimum of the exothermic peak.

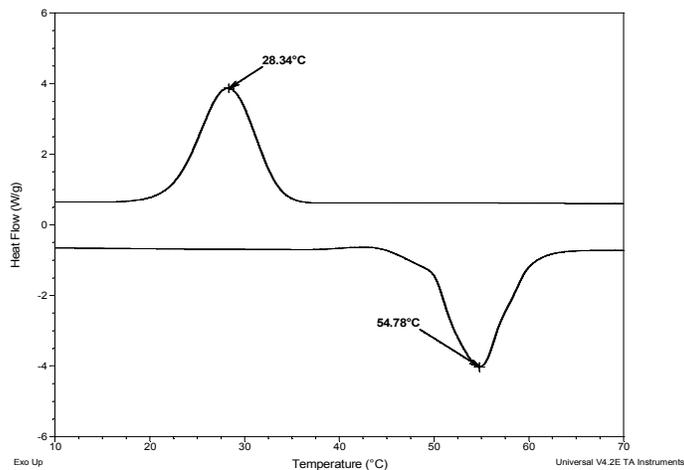
**Thermal analysis results at a glance**

Sample	$T_m$ (°C)	$T_c$ (°C)	$T_g$ (°C)
EO	61	29	-65
$\epsilon$ -CL	55	29	-69
EOCL	56	30	-71

**Thermogram for the sample**



**Thermogram of  $\epsilon$ -caprolactone (Mn≈8000)**



**Thermogram of #7079 EOCL sample**

