



**Thermal analysis of the sample# P7160-CL2COOH**

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°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 ( $T_g$ ).

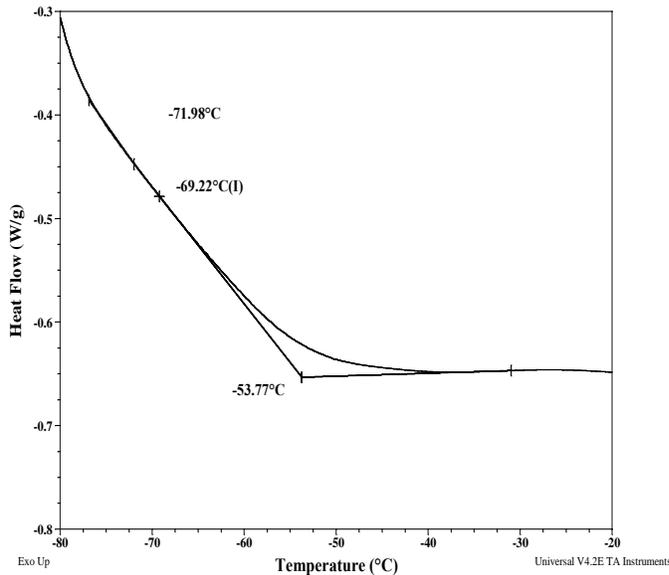
**Melting and crystallization curve for the sample**

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.

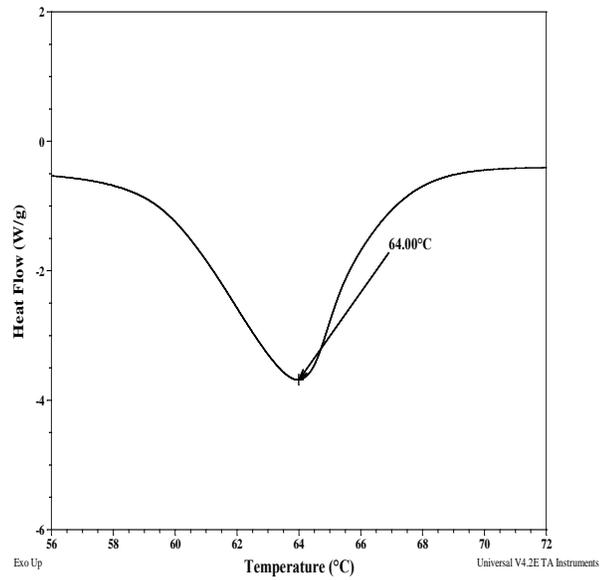
**Thermal analysis results at a glance**

Sample	$T_m$ (°C)	$T_c$ (°C)	$T_g$ (°C)
CL2COOH	64	32	-69

**Thermogram for the sample**



**Melting curve for the polymer:**



**Crystallization curve for the polymer:**

