

Thermal analysis of the P10221A-AlkyneEOCL

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).

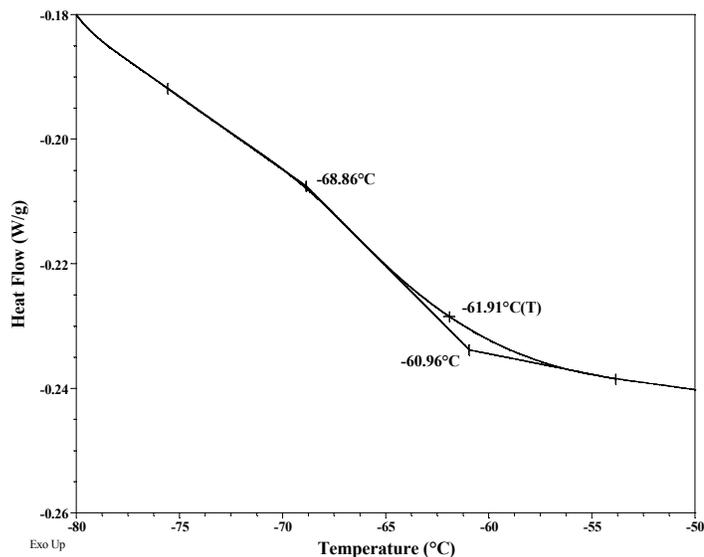
Melting and crystallization curve for the sample

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.

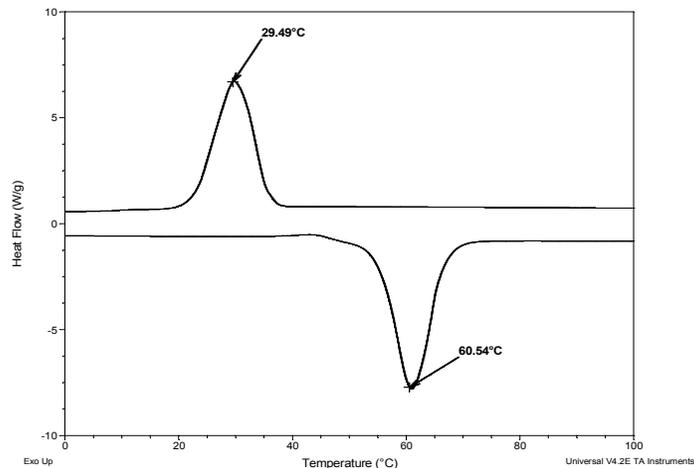
Typical thermal analysis results at a glance (PEO-b-CL=2-b-0.4)

Sample	T_m (°C)	T_c (°C)	T_g (°C)
EO	61	29	-65
ϵ -CL	55	29	-69
EOCL	58	31	-62

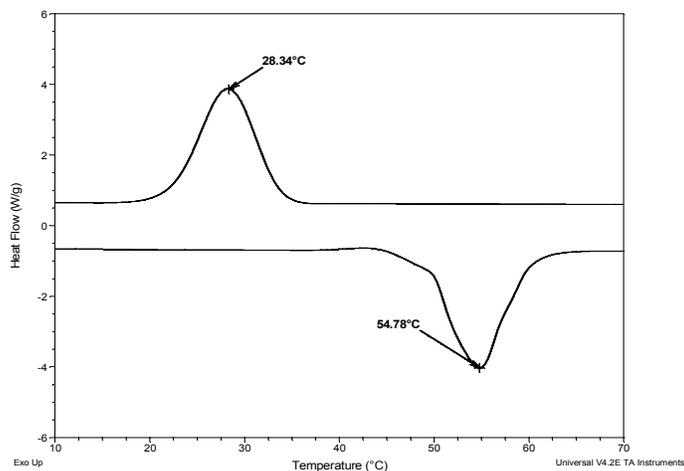
Typical thermogram for the PEO block



Thermogram of poly (ethylene glycol) methyl ether ($M_n \approx 5000$)



Thermogram of ϵ -caprolactone ($M_n \approx 8000$)



Typical thermogram for EOCL sample

