

— Poly(propylene oxide) center block:  $M_n=550$ ,  $M_w=630$ ,  $M_w/M_n=1.15$   
 — Block Copolymer EO(1050)-b-PO(550)-b-EO(1050),  $M_w/M_n=1.13$

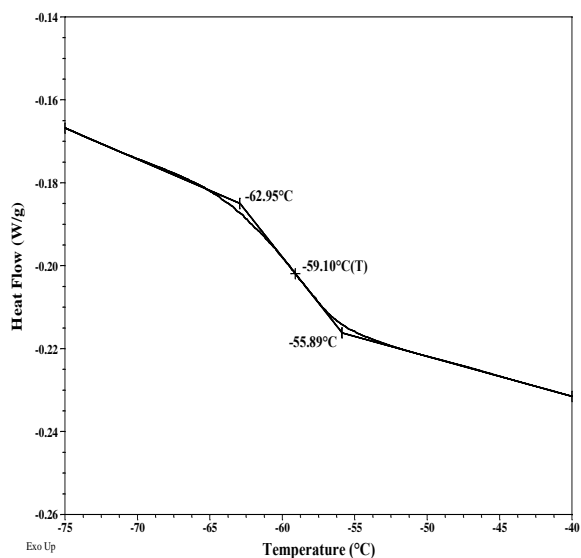
## Thermal analysis of the sample# P9813-EOPOEO

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 ( $T_g$ ).

### Thermal analysis results at a glance (EO-PO-EO)

Sample	$T_m$ (°C)	$T_c$ (°C)	$T_g$ (°C)
EO block	45	22	-59
PO block		-	-

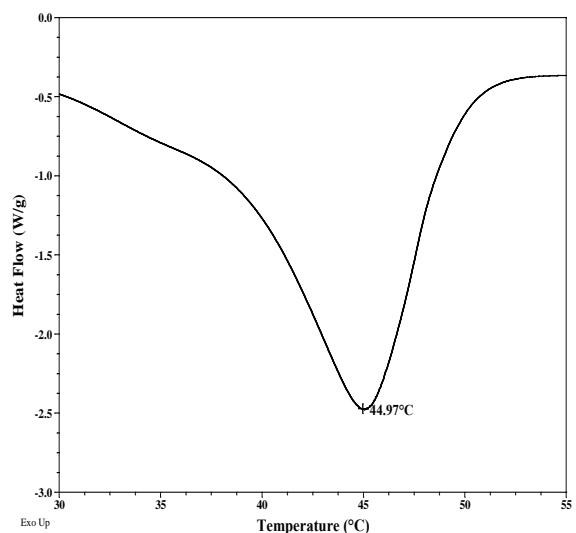
### Typical thermogram for the EO block



## 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.

### Melting curve for PEO block:



### Crystallization curve for PEO block:

