

Thermal analysis of the sample# P7258-EOCL

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).

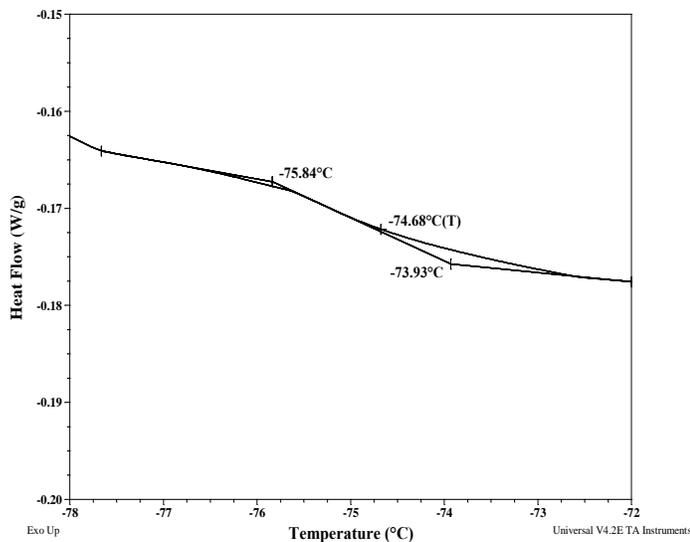
Melting and crystallization curve for the sample

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.

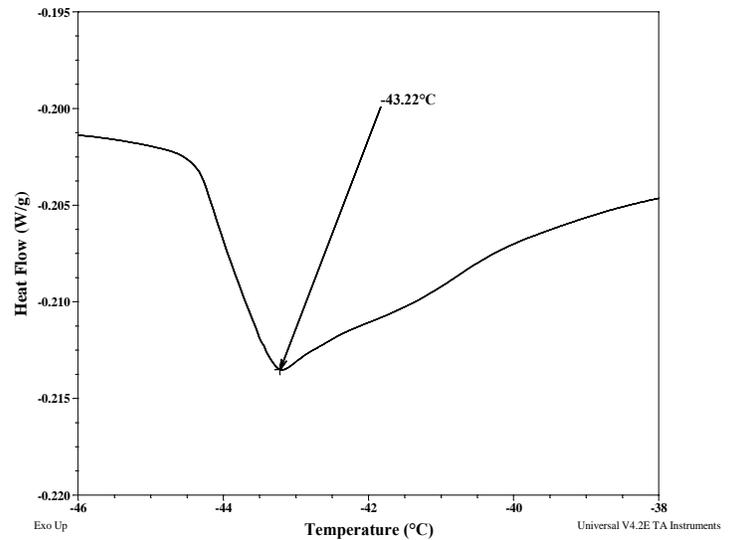
Thermal analysis results at a glance

Sample	T_m (°C)	T_c (°C)	T_g (°C)
PEO	50	16	-75
PDMS	-43	-24	-127 (Lit)

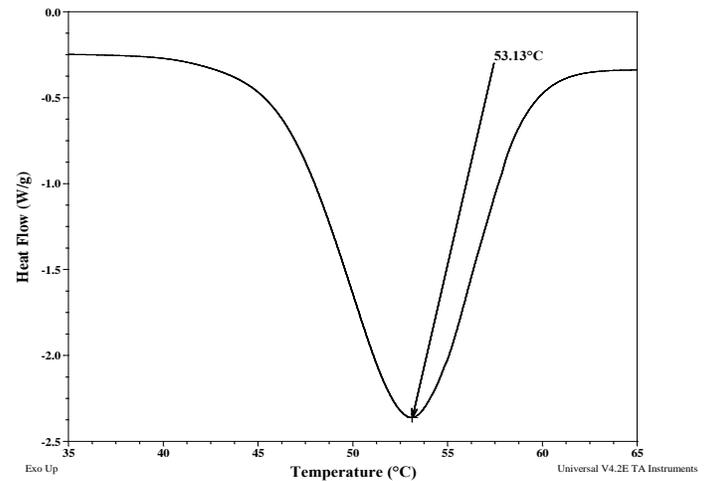
Thermogram for EO block:



Melting curve for DMS block:



Melting curve for PEO block:



Crystallization curve for DMS block:

