

Size Exclusion Chromatogram of polymer:  
 —  $M_n=13,000$ ,  $M_w=15600$ ,  $M_w/M_n=1.2$   
 (OH functionality by titration: >98%)

## Thermal analysis of the P9562- AzoMAOH

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 ( $T_g$ ).

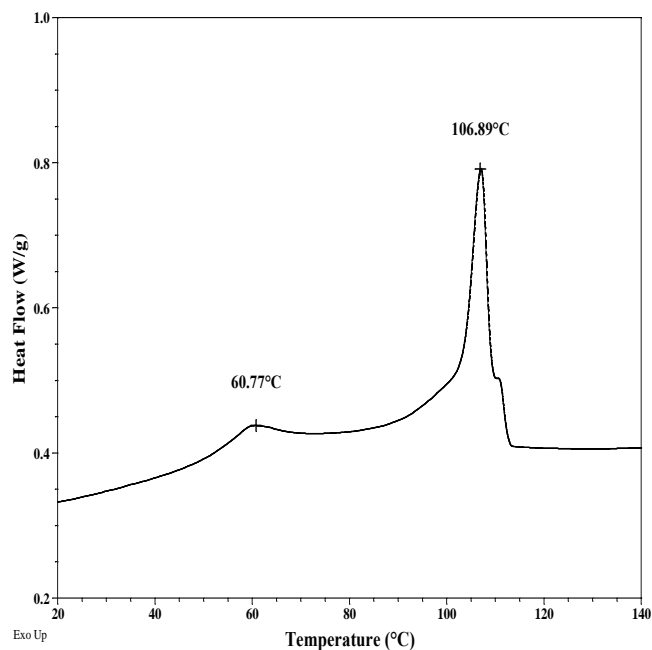
### Melting and crystallization curve for the sample

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:

$T_{m1}$ (°C)	$T_{c1}$ (°C)	$T_{m2}$ (°C)	$T_{c2}$ (°C)
64	61	113	107

### Crystallization curves for the polymer:



### Melting curves for the sample:

