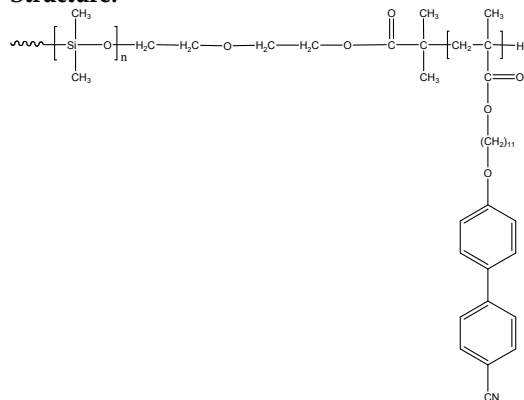


**Sample Name:** Poly(dimethylsiloxane-b-11-(4'-cyanobiphenyl-4-yloxy)undecylmethacrylate)  
**Sample #:** P14110-DMS4CNBP11CMA

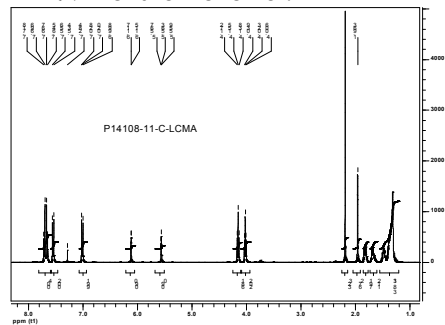
**Structure:**



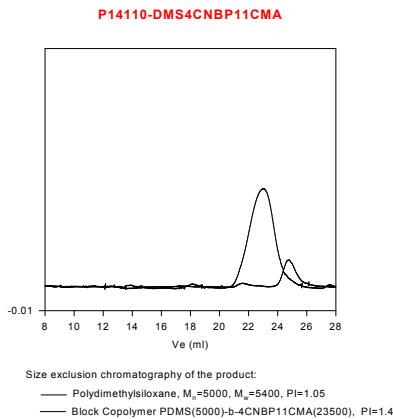
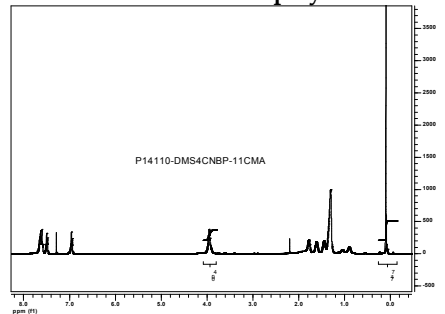
**Composition:**

Mn x 10 <sup>3</sup> DMS-b-4CNBP11CMA	Mw/Mn (PDI)
5.0-b-23.5	1.4

**<sup>1</sup>H NMR of the monomer:**



**<sup>1</sup>H NMR of the Block copolymer:**



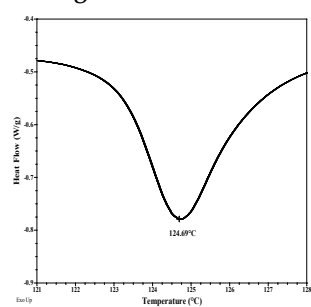
**Thermal analysis of the P14110-DMS4CNBP11CMA**

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*<sub>g</sub>).

**Melting and crystallization curve for the sample**

The melting temperature (*T*<sub>m</sub>) was taken as the maximum of the endothermic peak where as the crystallization temperature (*T*<sub>c</sub>) was considered as the minimum of the exothermic peak.

**Melting curve for 4CNBP11CMA block:**



**Thermal analysis results at a glance**

Sample	<i>T</i> <sub>m</sub> (°C)	<i>T</i> <sub>c</sub> (°C)	<i>T</i> <sub>g</sub> (°C)
DMS block	Not distinct	Not distinct	-127 (Lit)
4CNBP-11C-MA block	125	120	-

**Crystallization curve for 4CNBP11CMA block:**

