

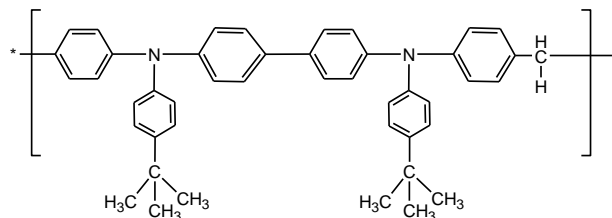
Sample Name:

Poly([N,N'-diphenyl-N,N'-bis(4-tert-butylphenyl)-(1,1'-biphenyl)-4,4'-diamine]-alt-formaldehyde)

Synonym: Poly(N,N'-bis(4-tert-butylphenyl)-N-phenyl-N'-para-tolyl-benzidine)

Sample #: **P16210-PolyTPD-FA**

Structure:

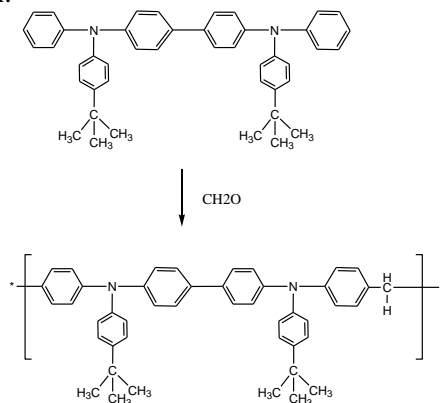


Composition:

Mn x 10 ³	PDI
28.5	1.11

Synthesis Procedure:

The polymer was synthesized by condensation reaction.



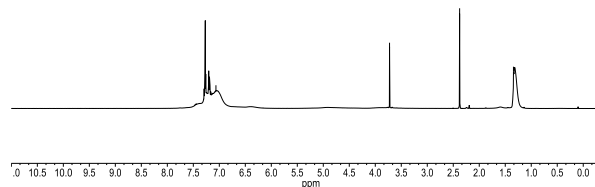
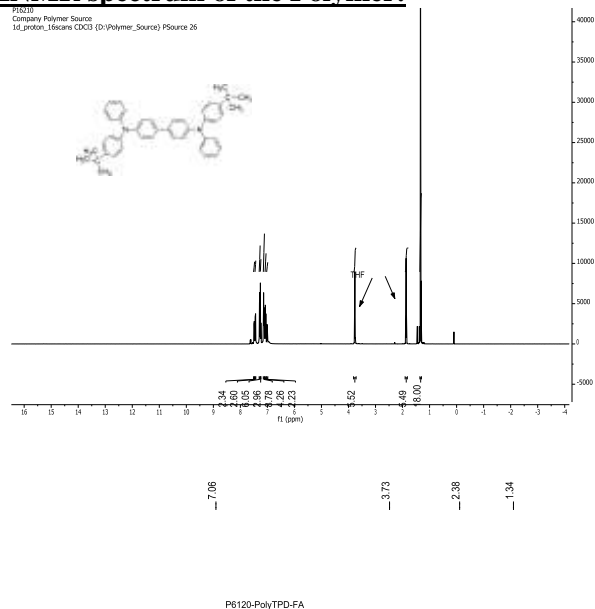
Characterization:

The product was characterized by size exclusion chromatography (SEC) in THF and ¹H NMR.

Solubility:

Polymer is soluble in THF and CHCl₃.

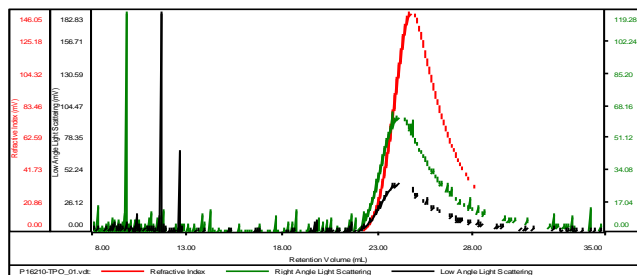
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16120-TPO

Concentration (mg/mL)	4.3455
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Feb2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P16210-TPO_01.vdt	28,565	31,940	1.118	0.1046	26,775