



Product Profile

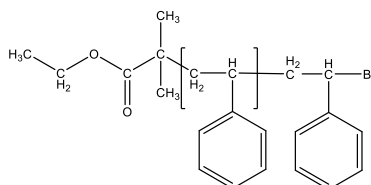
Identification

Product Name: Poly(styrene), α -bromo-terminated

(Macroinitiator for ATRP)

Product Lot Number: P45009K-SBr

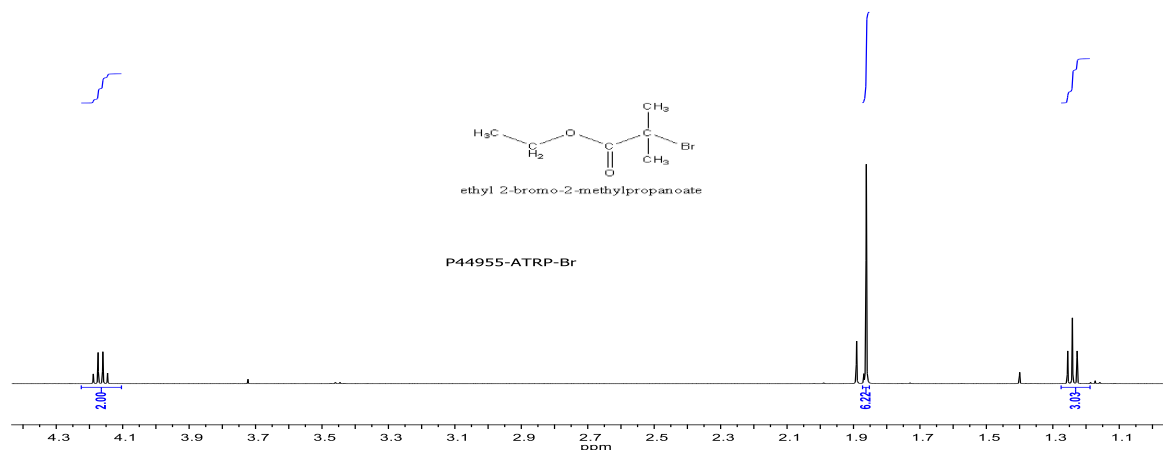
Chemical Architecture:



Composition:

Mn (g/mole)	26,000
Mw (g/mole)	40,000
Mw/Mn	1.5

Method of Synthesis: Br-terminated polystyrene was synthesized by ATRP using following ATRP reagent:



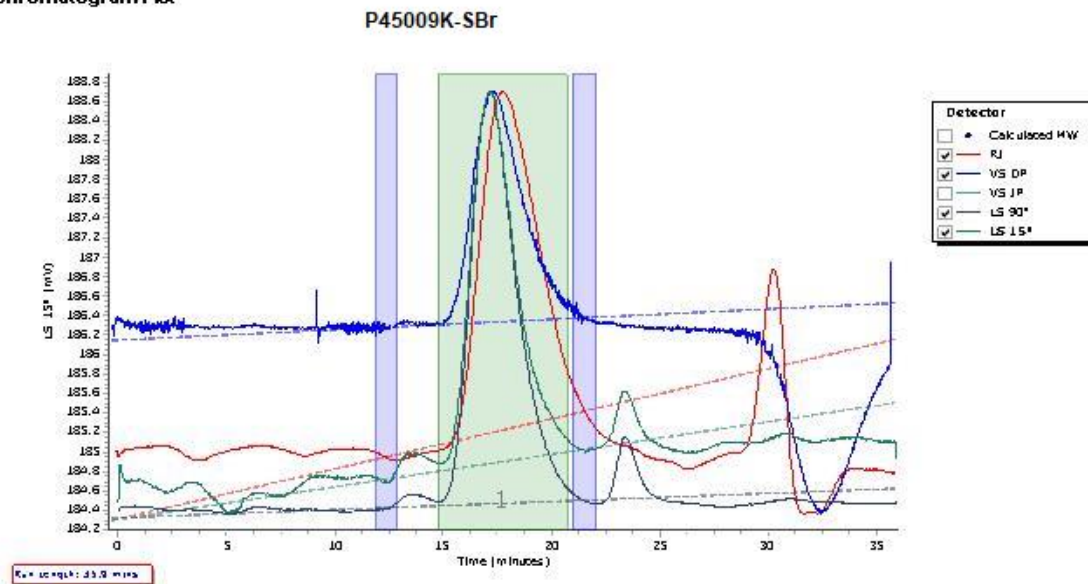
Solubility in different solvents:

THF	√	Methanol	X
CHCl ₃	√	Hexane	X
Toluene	√		



Validation of Architecture: The product was characterized by size exclusion chromatography (SEC) in THF.

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	41556	26207	40394	56854	72268	55048	1.541

