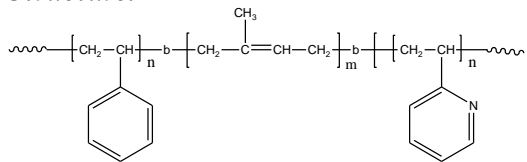


Sample Name:
Poly(Styrene-b-isoprene-b-2-vinylpyridine)

Sample #: P11356-Sip2Vp
Structure:



Composition:

Mn x 10 ³ S-b-IP-b-2VP	PDI
29.5-b-33.5-b-35.0	1.25
Microstructure for IP block	Rich in 1,4 addition

Synthesis Procedure:

By living anionic polymerization with sequence addition of styrene then isoprene (polymerization in apolar solvent), followed by addition of 2VP monomer.

Characterization:

Polymer at different stages of polymerization was analyzed by size exclusion chromatography (SEC).The Block copolymer composition was then calculated from ¹H-NMR spectroscopy .

Solubility:

Poly(styrene-b-2 vinylpyridine-b-ethylene oxide) is soluble in THF, toluene, and CHCl₃.

¹H-NMR Spectrum of the polymer:

