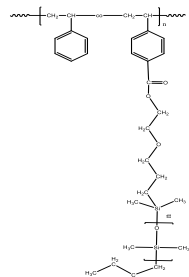


Sample Name:

**Poly(styrene)-graft-poly (dimethyl siloxane),
grafting on backbone**

Sample #: **P42482A-SDMScomb**

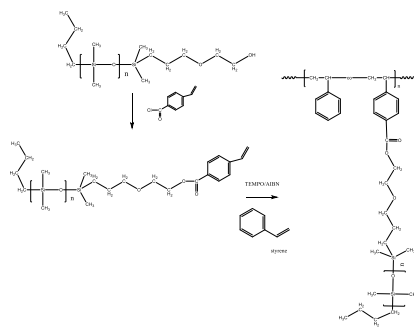
Structure:



$\frac{Mn \times 10^3}{Total}$	$\frac{Mn \times 10^3}{PDMS \text{ macromonomer}}$	Mw/Mn Comb	# of PDMS Branches
22.0	5	1.16	1
styrene mole%=66.0			

Synthesis:

The following reaction scheme shows how the product was prepared:



Characterization:

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

Solubility:

Polymer is soluble in THF, chloroform and toluene. It precipitates from methanol.

1H NMR spectrum of DMSOH Carbinol:

