

**Solubility of selected homopolymers synthesized at
Polymer Source Inc. ***

Polymer	Solvents for solubility					
	THF	CHCl ₃	DMF/Dioxane (DO)	Toluene	MeOH/ EtOH	Water
Polystyrene	√	√	√	√		
Poly(methyl acrylate)	√	√		√		
Poly(methyl methacrylate)	√	√	DO	√		
Poly(n-butyl acrylate)	√	√		√		
Poly(2-hydroxyethyl methacrylate)			DMF		EtOH	
Poly(glycidyl methacrylate)	√	√	DO	√		
Poly(□-propyl acrylic acid)	√		DO		√	
Poly(acrylic acid)	√				√	√
Poly(acrylamide)						√
Poly(N-N-dimethylacrylamide)					√	√
Poly(1-4 Cyclohexadiene)	Partially soluble					
Poly(1-vinyl anthracene)	√	√	√	√		
Poly(2-vinyl pyridine)	√	√	√	√	√	
Poly(4-vinyl pyridine)	√	√	√	√	√	
Poly(N-vinyl carbazole)	√	√	√	√		
Poly(N-vinyl carbazole)	√	√	√	√		
Poly(N-vinyl imidazole)					√ (MeOH)	√
Poly(vinyl benzyl chloride)	√	√	√	√		
Poly(4-vinyl benzoic acid)			√		√	
Poly(Vinyl Acetate)	√	√		√		
Polycaprolactone	√	√	√	√		
Poly lactide	√	√	√	√		
NIPAM	√		√ (DMF)			√
Poly(AzoMA)	√	√			Acetone	
DMS				√		Hexane
Poly(ferrocenyldimethylsilane)	√	√		√		
Polyisoprene	√			√		Hexane
Polybutadiene	√			√		Hexane
Polyisobutylene	√			√		Hexane
Poly propylene glycol	√	√		√	√	
Poly(ethylene glycol)	√	√		√		√

*This table is intended for the preliminary idea on polymer solubility; users should verify each polymer before their experiment.