

Table 1. Aqueous polymerization of *p*-methoxystyrene by iodine.

Solvent	Salt	T (°C)	Time (h)	Yield (%)	\bar{M}_w (kg·mol ⁻¹)	\bar{M}_w/\bar{M}_n
CCl ₄	—	25	24	12.66	6.36	1.06
CCl ₄	—	25	24	10.0	6.98	1.11
CCl ₄	NaCl	25	6	18.3	8.75	1.15
CCl ₄	NaCl	25	24	16.02	8.15	1.16
CH ₂ Cl ₂	NaCl	0	6	98.64	36.40	1.53
CH ₂ Cl ₂	KI	25	48	98.0	22.50	1.66
CH ₂ Cl ₂	KI	25	48	98.04	29.70	1.73
CCl ₄	KI	25	48	86.02	15.30	1.34
CCl ₄	KI	0	23	66.58	28.50	1.53

a. PMOS = 0.50 g; I₂ = 2x10⁻⁵ mol; vol. organic layer = 1.75 mL = vol. aqueous layer; salt = saturated aqueous solution.