

ARTICLE

Supplementary Information for: Optimization of SET-LRP of *n*-butyl acrylate using high-throughput experimentation

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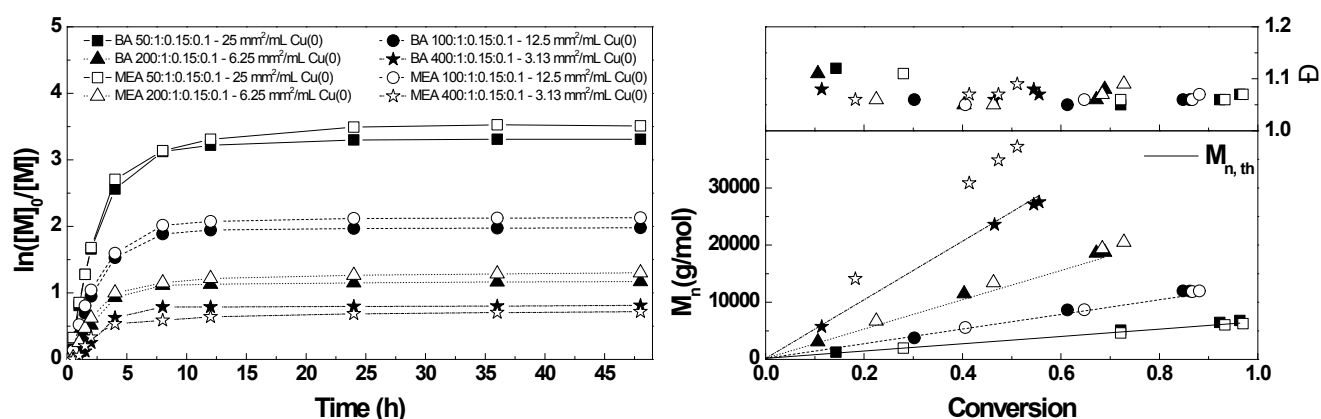


Figure S1 Left: first order kinetic plot for SET-LRP of BA and MEA using different [M]:[EBP]:[Me₆TREN]:[Cu(II)] ratios, 3M monomer concentration in DMF at 25°C. The amount of Cu(0) wire was adjusted to the amount of ligand. Right: corresponding molecular weight and dispersity vs. conversion plot.

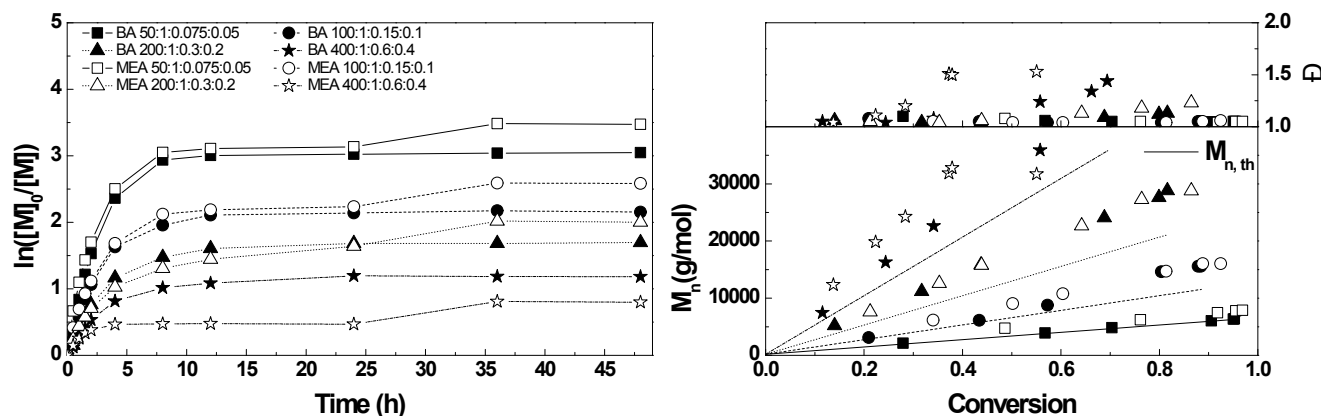


Figure S2 Left: first order kinetic plot for SET-LRP of BA and MEA using different [M]:[EBP]:[Me₆TREN]:[Cu(II)] ratios, 3M monomer concentration in DMF at 25°C, and 12.5 mm²/mL Cu(0) wire. The total concentration of Me₆TREN and Cu(II) were kept constant for each reaction. Right: corresponding molecular weight and dispersity vs. conversion plot.

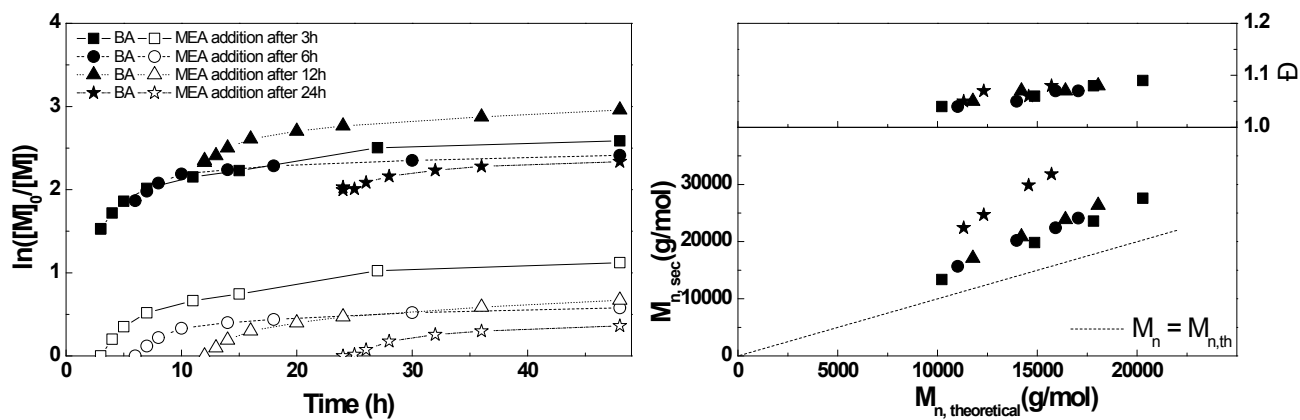


Figure S3 Left: first order kinetic plot for SET-LRP of BA with sequential addition of MEA using [BA]:[EBP]:[Me₆TREN]:[Cu(II)] = 100:1:0.15:0.1 and [MEA]:[EBP] = 100:1, 3M monomer concentration in DMF at 25°C and 12.5 mm²/mL Cu(0) wire. Right: corresponding molecular weight and dispersity vs. theoretical molecular weight plot.

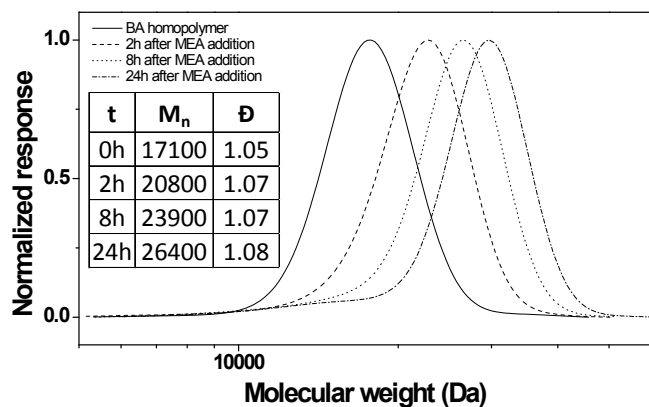


Figure S4 SEC traces of pBA-*b*-pMEA block copolymers at different times during the polymerization after sequential addition of MEA at 12h BA polymerization time, using [MEA]:[EBP] = 100:1.