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Critical Micelle Concentrations for Different Micelle Shape in Diblock Copolymer/Homopolymer Blends JIAJIA ZHOU, AN-CHANG SHI, McMaster University — Diblock copolymers (AB) blended with homopolymers (A) may self-assemble into lamellar, cylindrical and spherical micelles. The critical micelle concentrations for different micelle shape are determined using self-consistent field theory. The effect of varying copolymer block asymmetry, homopolymer molecular weight and monomer-monomer interaction are considered.

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