

Supplementary Information

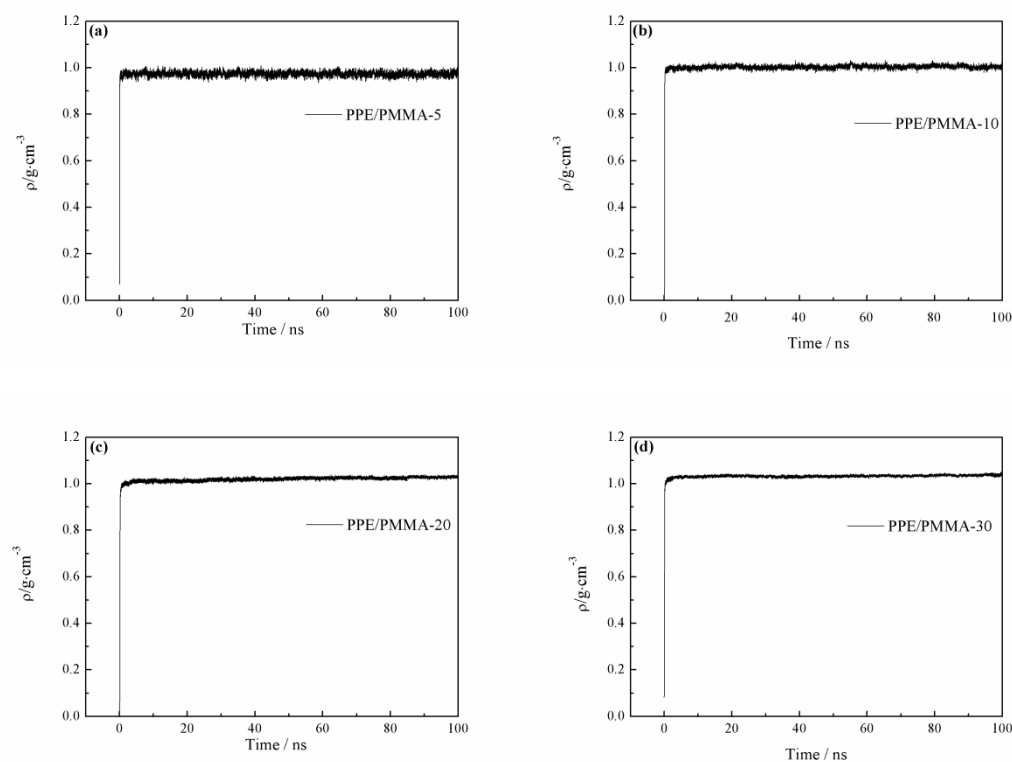


Figure S1: The densities of PPE/PMMA with different DPs during equilibration

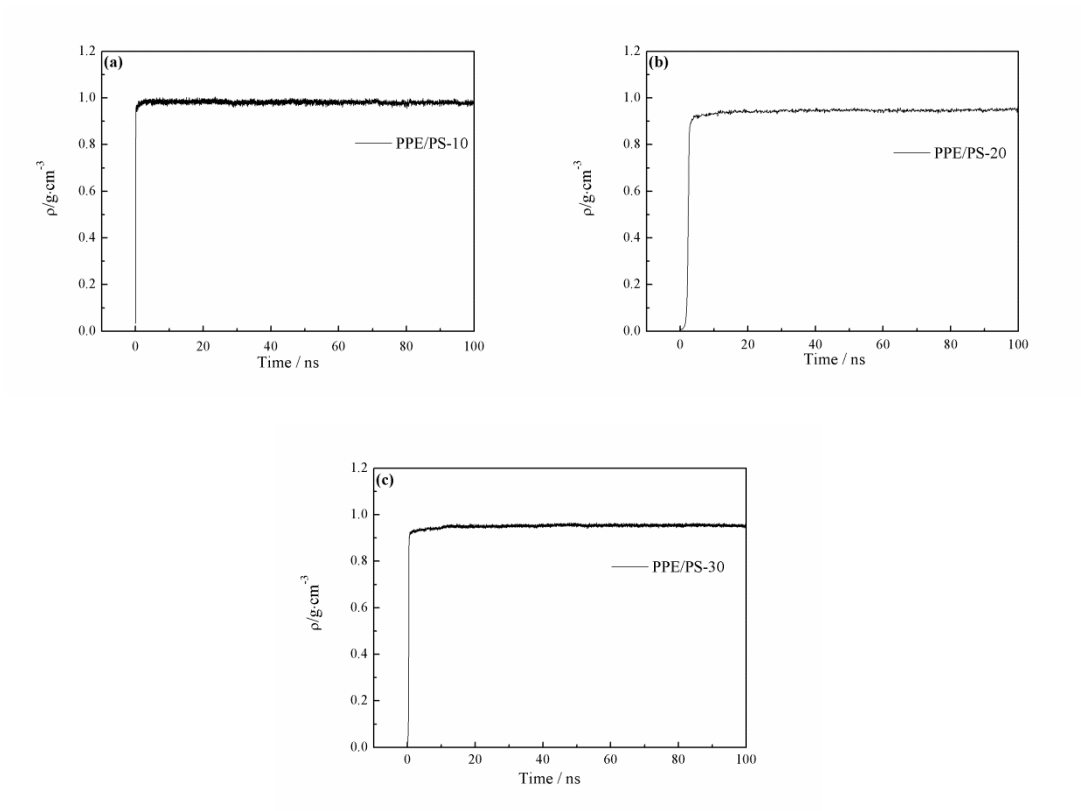


Figure S2: The densities of PPE/PS with different DPs during equilibration

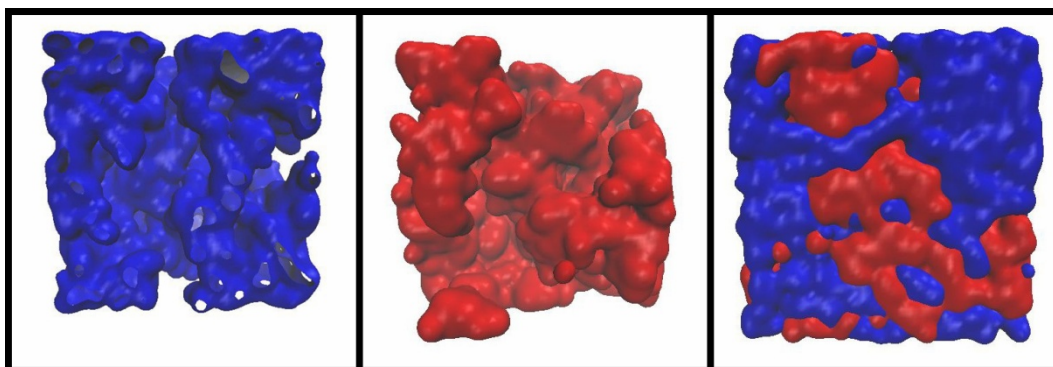
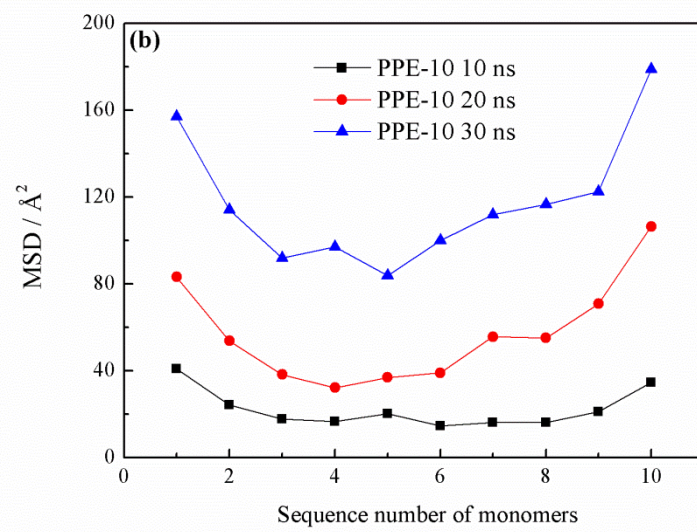
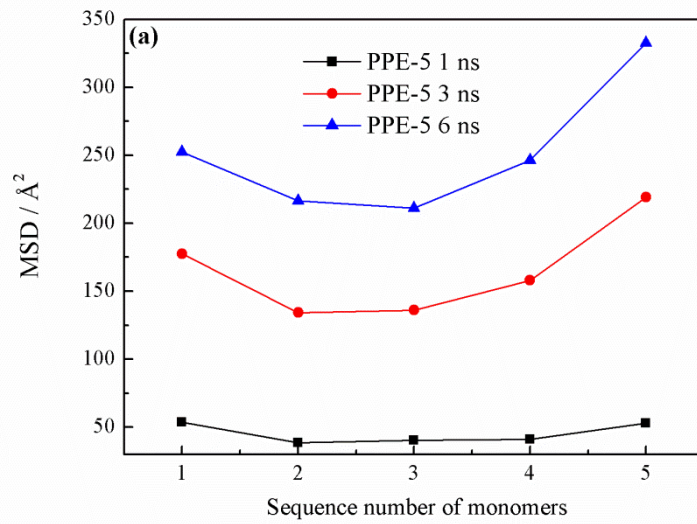


Figure S3: Snapshots of PPE/PMMA after 100ns equilibration (PPE=blue and PMMA=red)



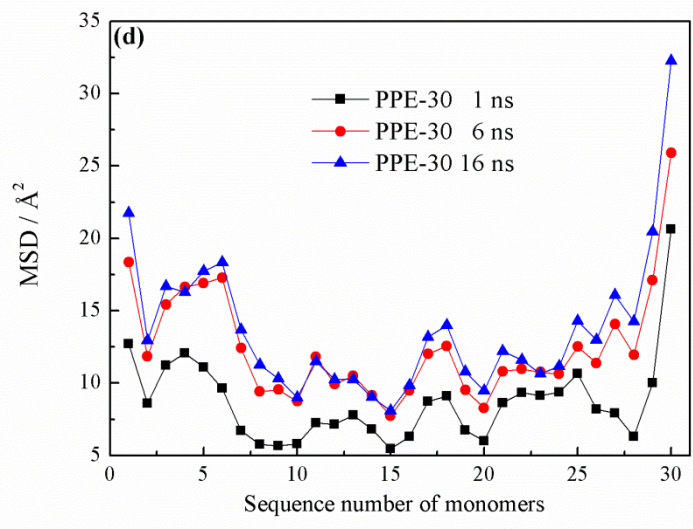
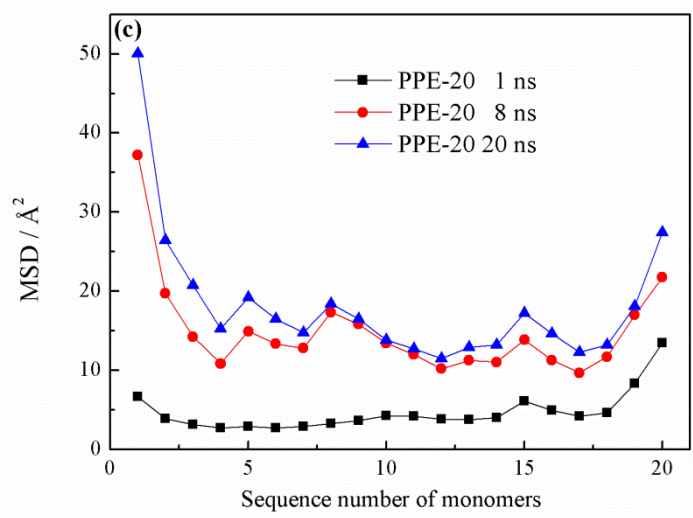
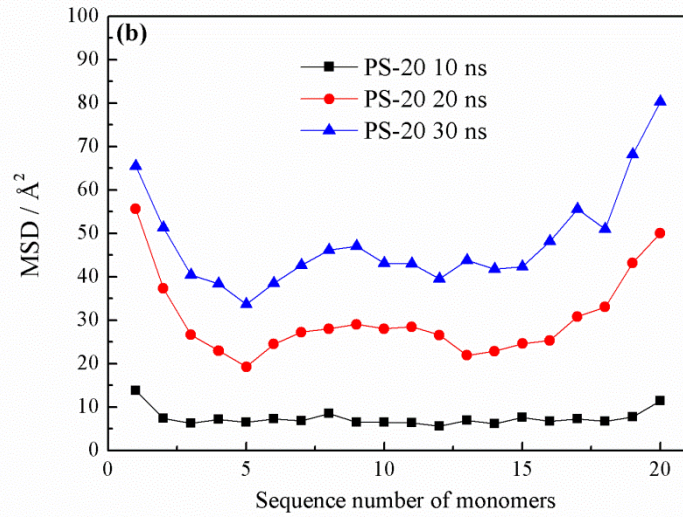
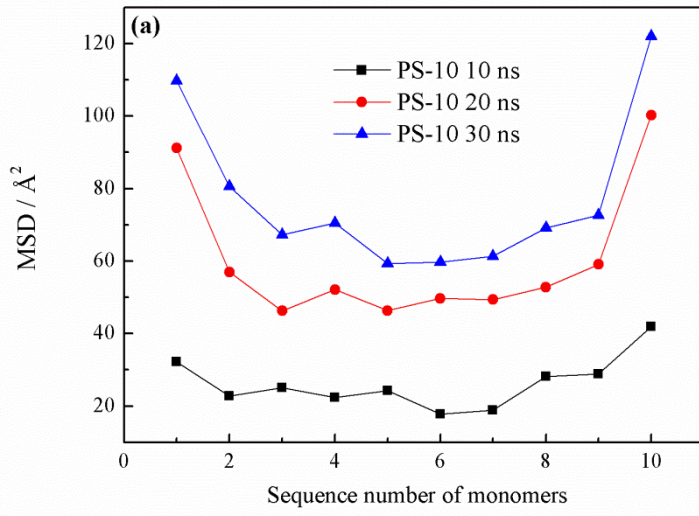


Figure S4: Mean squared displacements of all monomers along the polymer chains with different DP in pure PPE



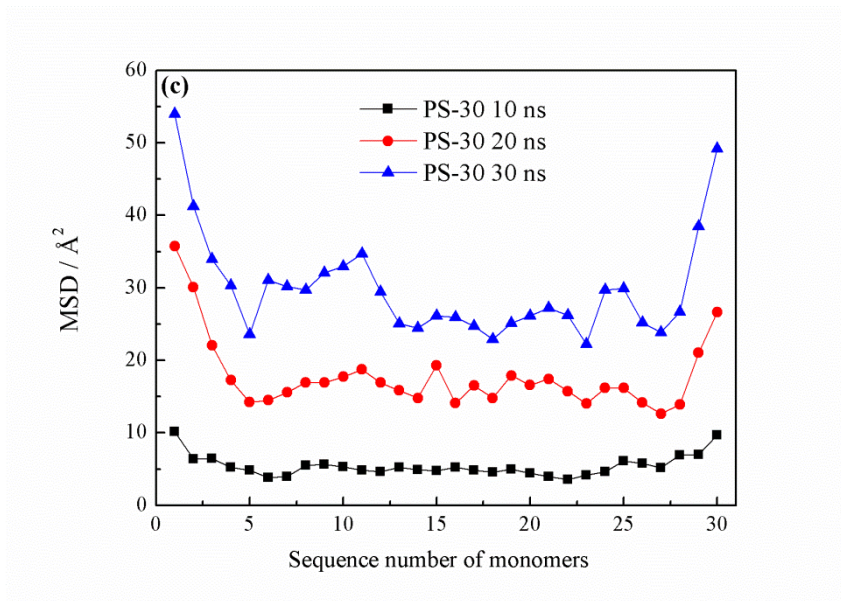
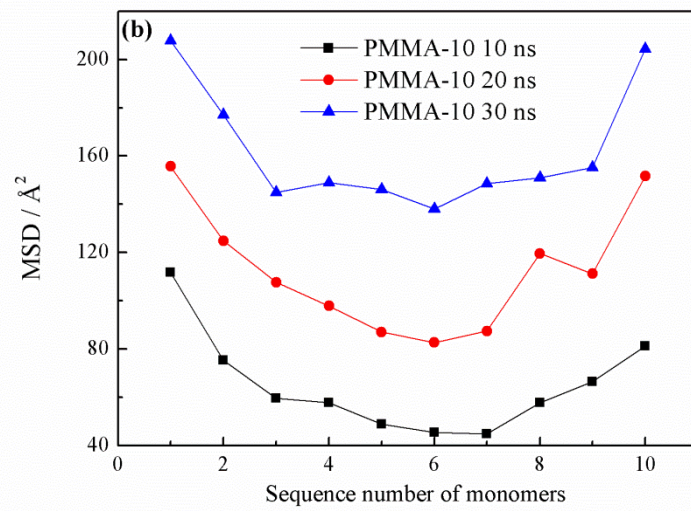
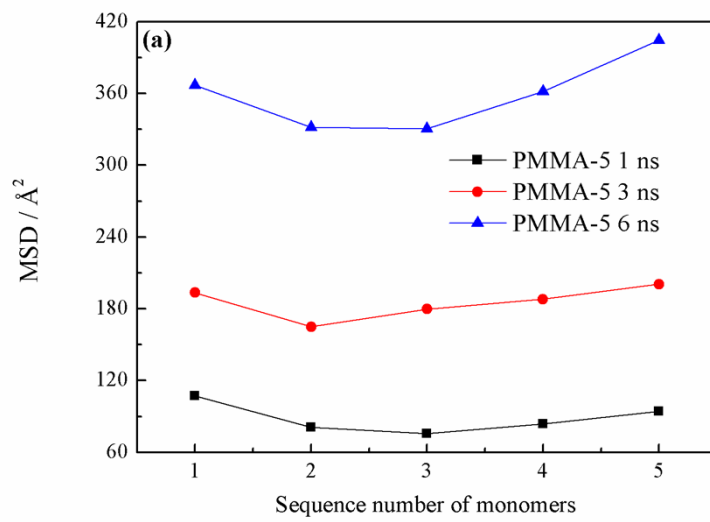


Figure S5: Mean squared displacements of all monomers along the polymer chains with different DP in pure PS



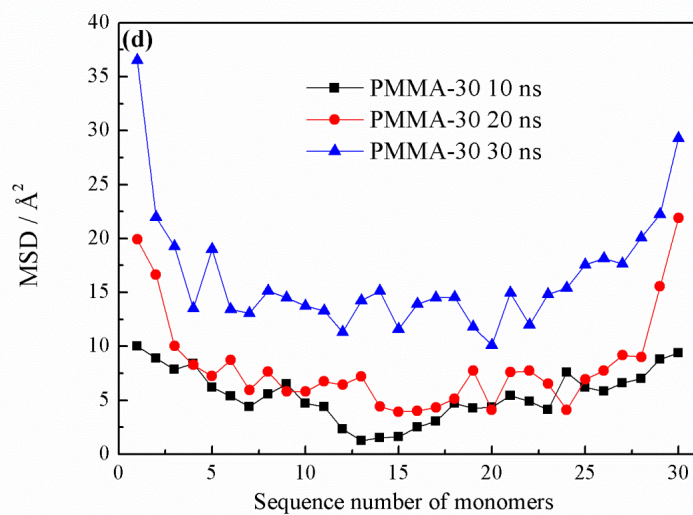
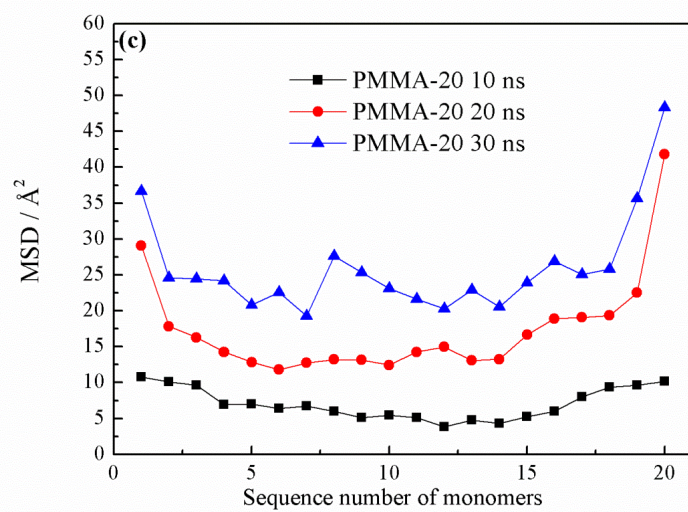
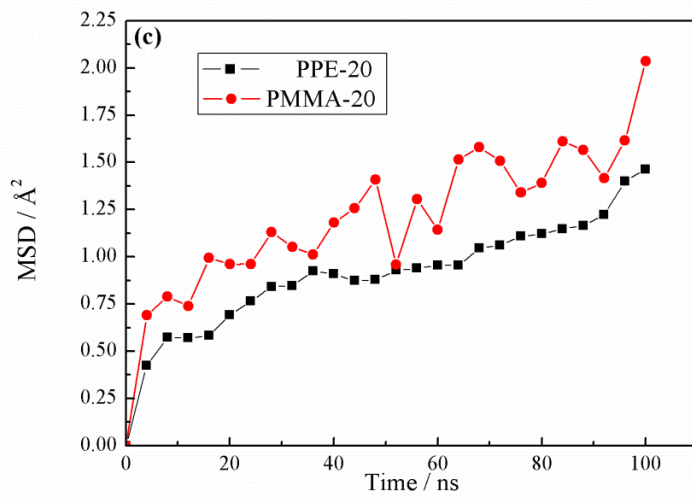
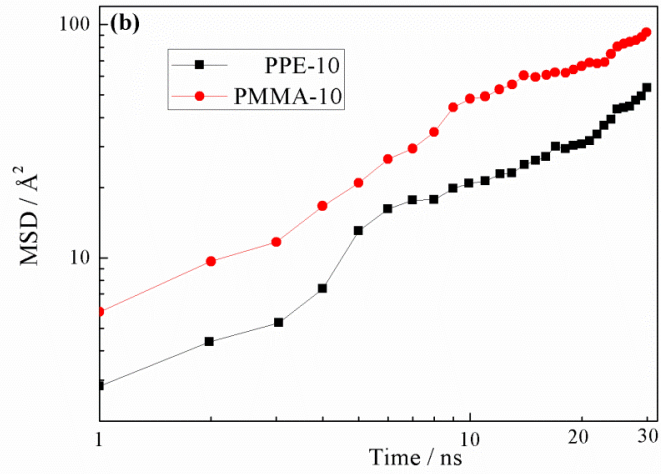
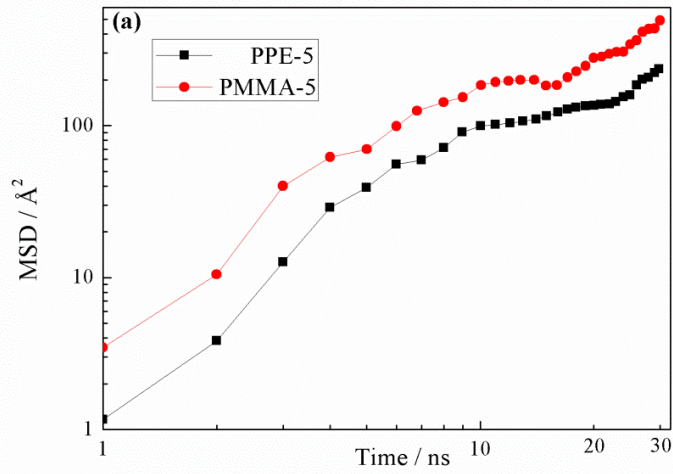


Fig S6: Mean squared displacements of all monomers along the polymer chains with different DP in pure PMMA



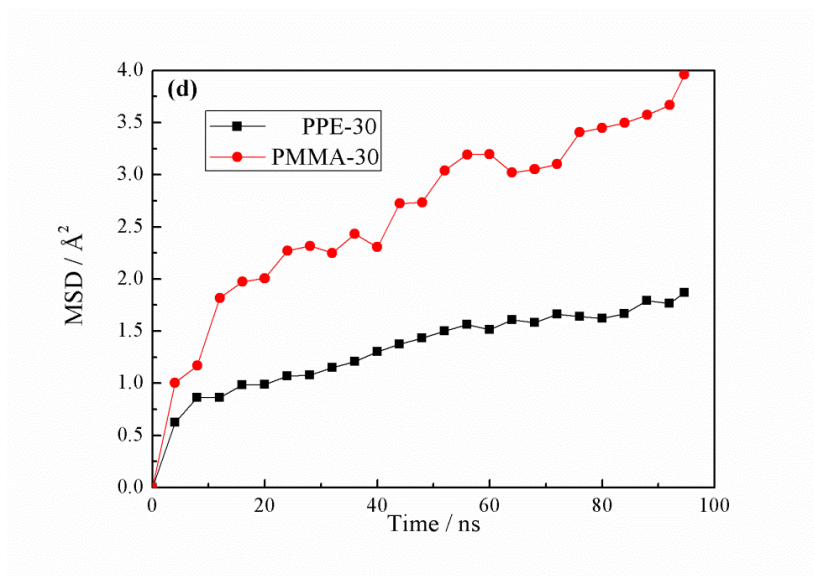
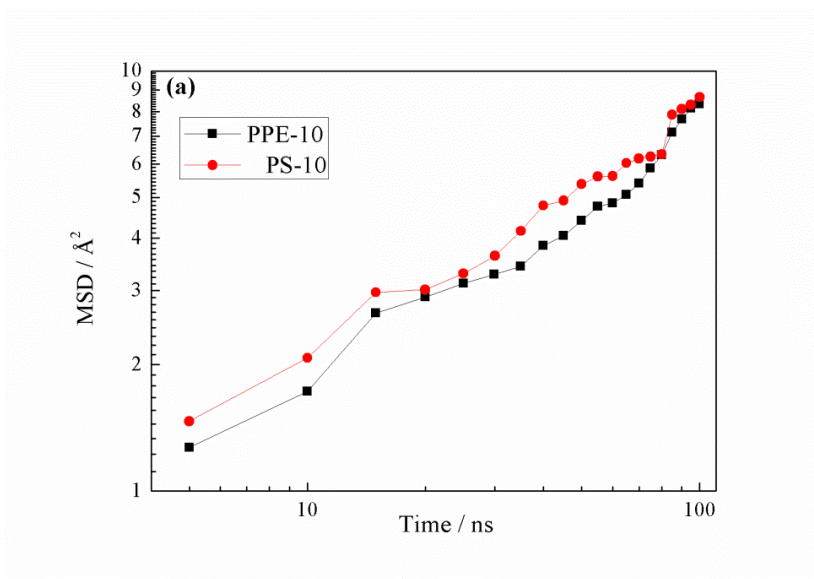


Fig S7: Mean squared displacements of the central monomers of PPE and PMMA with different polymerization degrees in PPE/PMMA



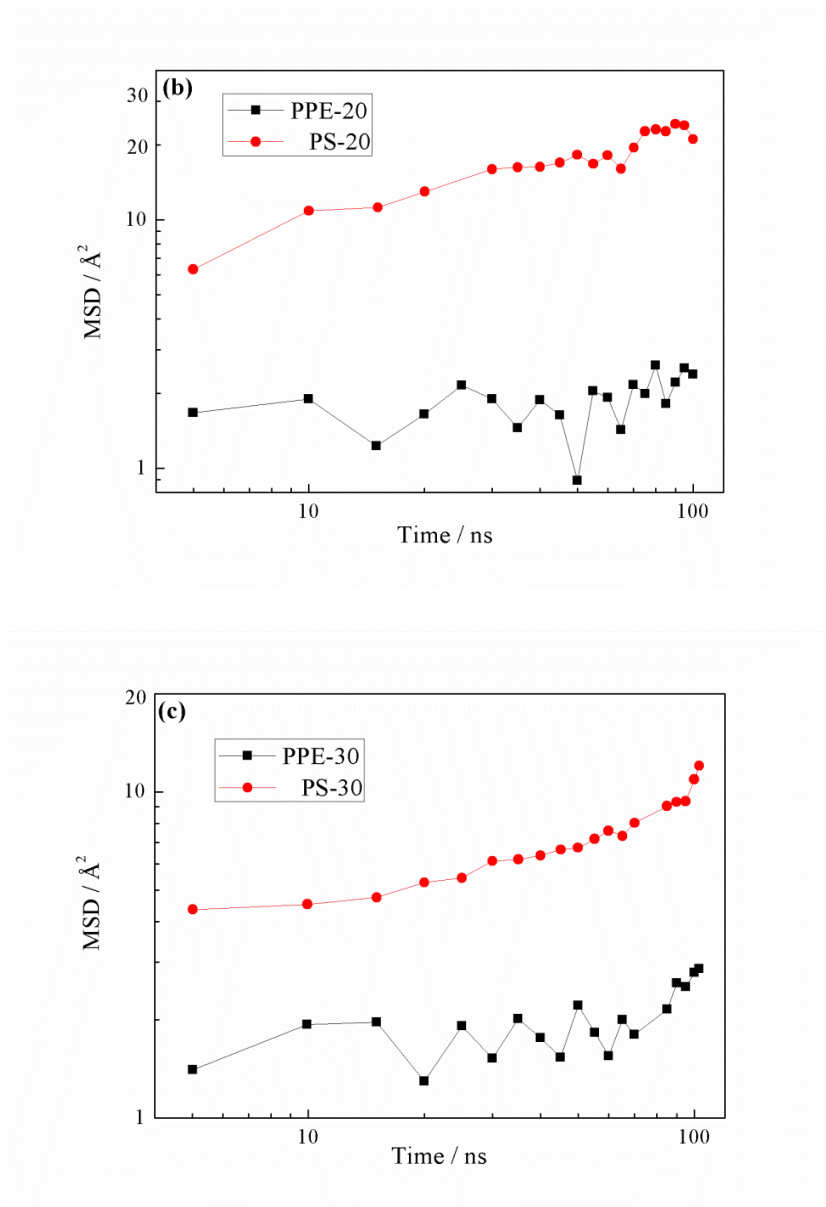


Fig S8: Mean squared displacements of the central monomers of PPE and PS with different polymerization degrees in PPE/PS

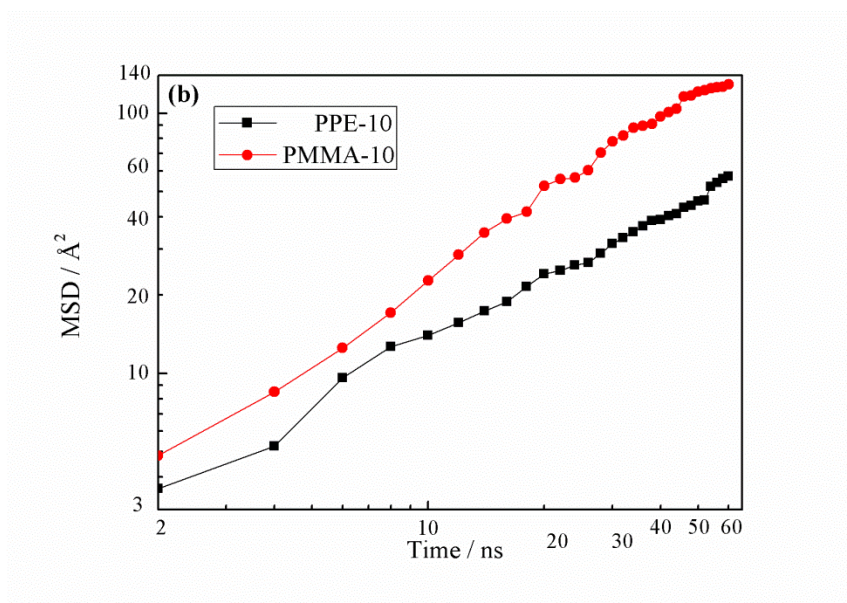
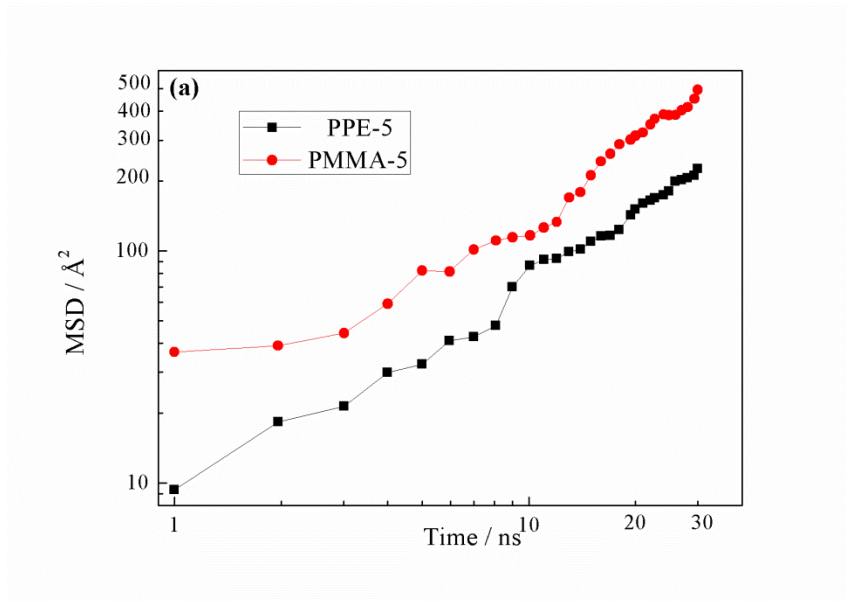


Fig S9: Molecular mean squared displacements of PPE and PMMA with polymerization degree=5 and 10 in PPE/PMMA

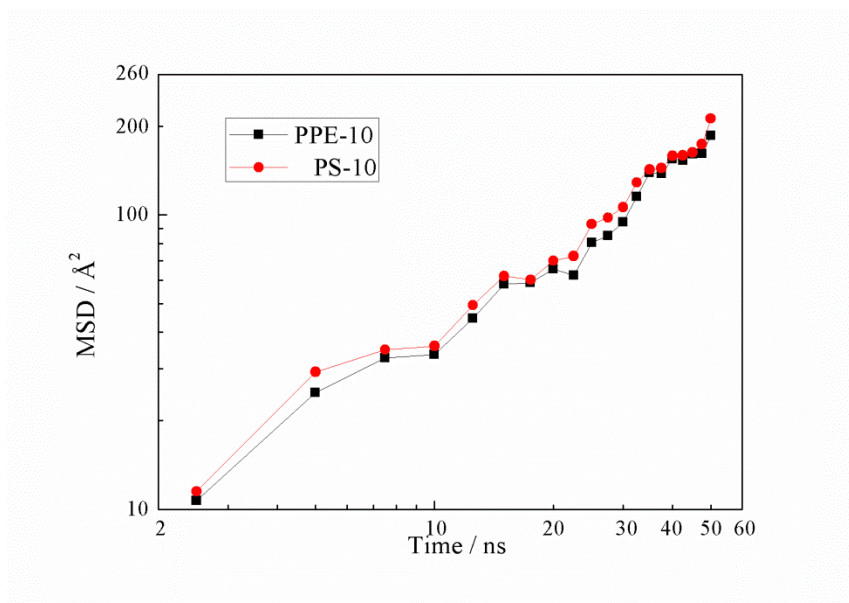


Fig S10: Molecular mean squared displacements of PPE and PS with polymerization

degree =10 in PPE/PS