

Compartmentalized Photoreactions within Compositionally Anisotropic Janus Microstructures

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1. UV-Vis spectra of biphasic particles before and after photocrosslinking

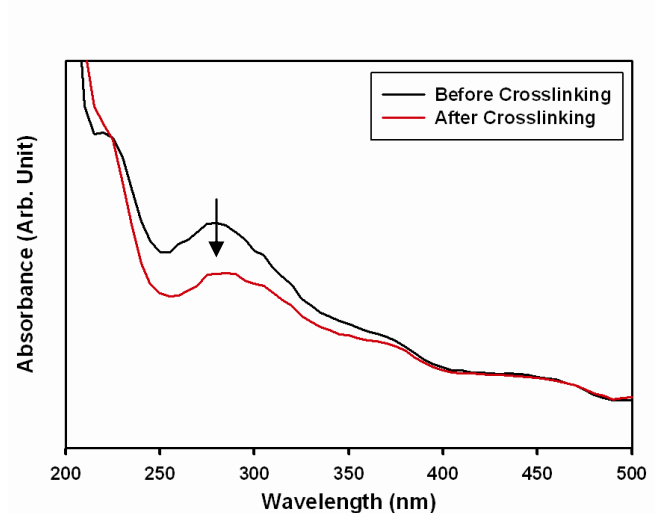


Figure S1. UV-Vis spectrum of biphasic particles (without dye) before and after photocrosslinking.

The particles (without fluorescence dyes) collected on aluminum foil are harvested into surfactant solution (5 w/V% of Tween 80 aqueous solution, Tween 80 from Sigma-Aldrich), and well-dispersed particle solution is dropped onto the quartz plate. In general, and as denoted in several references, the cinnamate groups on polymer have strong absorption in the range of 250 ~ 300 nm before crosslinking. The absorption peak will be reduced after photocrosslinking. As shown in Figure S1, after 10 min irradiation of UV, the peak in range of 250~300 nm is reduced, meaning successful photocrosslinking (arrow).