Secondary Structure-Induced Micro- and Macro-Phase Separation in Polypeptide Diblock, Triblock and Star-Block Copolymers

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13 14 15 16 17

Jeff-T5000

Ve (mL)

Jeff-T3000

Jeff-D4000

Jeff-D2000

Jeff-M2005

Jeff-T5000

In the following ATR-FTIR spectra, the curves are plotted for each sample before and after annealing: upper plots are the second derivative curves (orange), middle plots are the row spectra, and bottom plots are the residue curves (green). In the middle plots, the red curve is the fitting curve, and the blue ones correspond to the

GPC traces of the five Jeffamines (black curves) and their corresponding block copolymers ($\phi = 0.50$, red; $\phi = 0.75$ blue). $\log [M^*IV] = 36.62231 - 5.61102 \cdot EV + 0.34155 \cdot EV^2 - 0.00781 \cdot EV^3$.
deconvoluted curves (α-helix, β-sheet, and unordered segments or random coils peaks).
ATR-FTIR spectra of the diblock copolymer JM2-50 before (left) and after annealing (right).

ATR-FTIR spectra of the diblock copolymer JM2-75 before (left) and after annealing (right)
ATR-FTIR spectra of the triblock copolymer JD2-50 before (left) and after annealing (right).

ATR-FTIR spectra of the triblock copolymer JD2-75 before (left) and after annealing (right).
ATR-FTIR spectra of the triblock copolymer JD4-50 before (left) and after annealing (right).

ATR-FTIR spectra of the triblock copolymer JD4-75 before (left) and after annealing (right).
ATR-FTIR spectra of the tetrablock copolymer JT3-50 before (left) and after annealing (right).

ATR-FTIR spectra of the tetrablock copolymer JT3-75 before (left) and after annealing (right).
ATR-FTIR spectra of the tetrablock copolymer JT5-50 before (left) and after annealing (right).

ATR-FTIR spectra of the tetrablock copolymer JT5-75 before (left) and after annealing (right).