Figure S1. DSC thermogram of PB-8, PB-8/12-x, and PB-12 polyesters upon (a) heating and (b) cooling. The scanning rate was 10 °C min$^{-1}$.
Figure S2. DSC thermogram of PB-8/12-75-y polyesters upon (a) heating and (b) cooling. The scanning rate was 10 °C min$^{-1}$.

Figure S3. SR-SAXS intensity profiles (dots) for (a) PB-8/12-75-44 and (b) PB-8/12-75-116. The samples were initially prepared by cooling the isotropic melts at a rate of 10 °C min$^{-1}$ and then heating to an LC temperature of 180 °C. The solid curves indicate the calculated intensities based on paracrystal theory.