

Fig S1: The zoomed-in image of NMR spectra of the separated MWCNT.

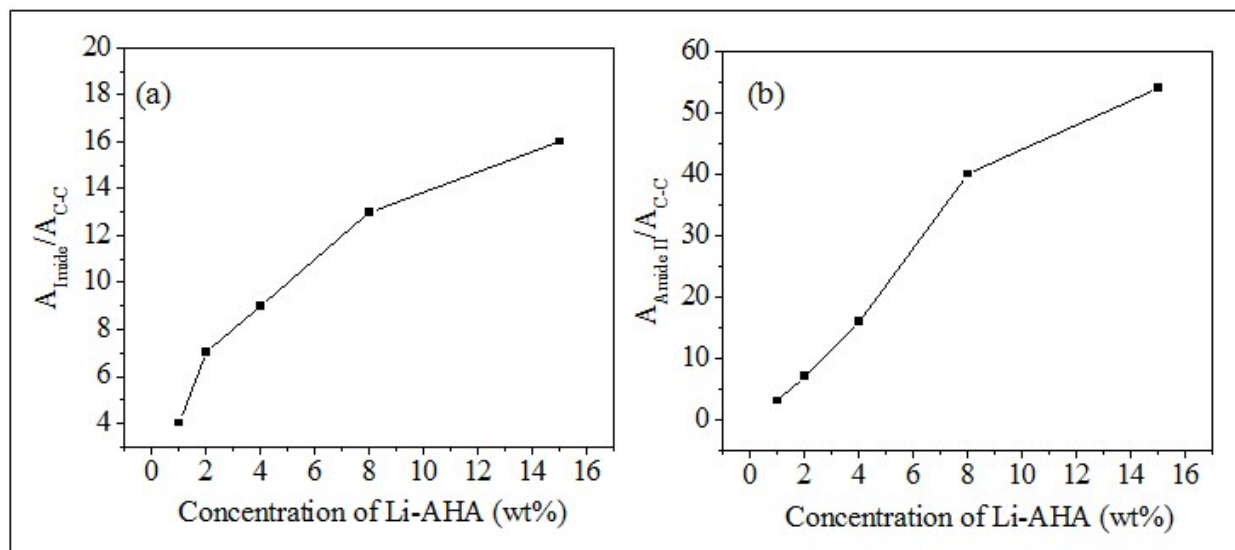


Fig S2: The relative peak area for (a) imide peak (b) -N-H bending peak to the peak at 1115 cm^{-1} as a function of Li-AHA concentration.

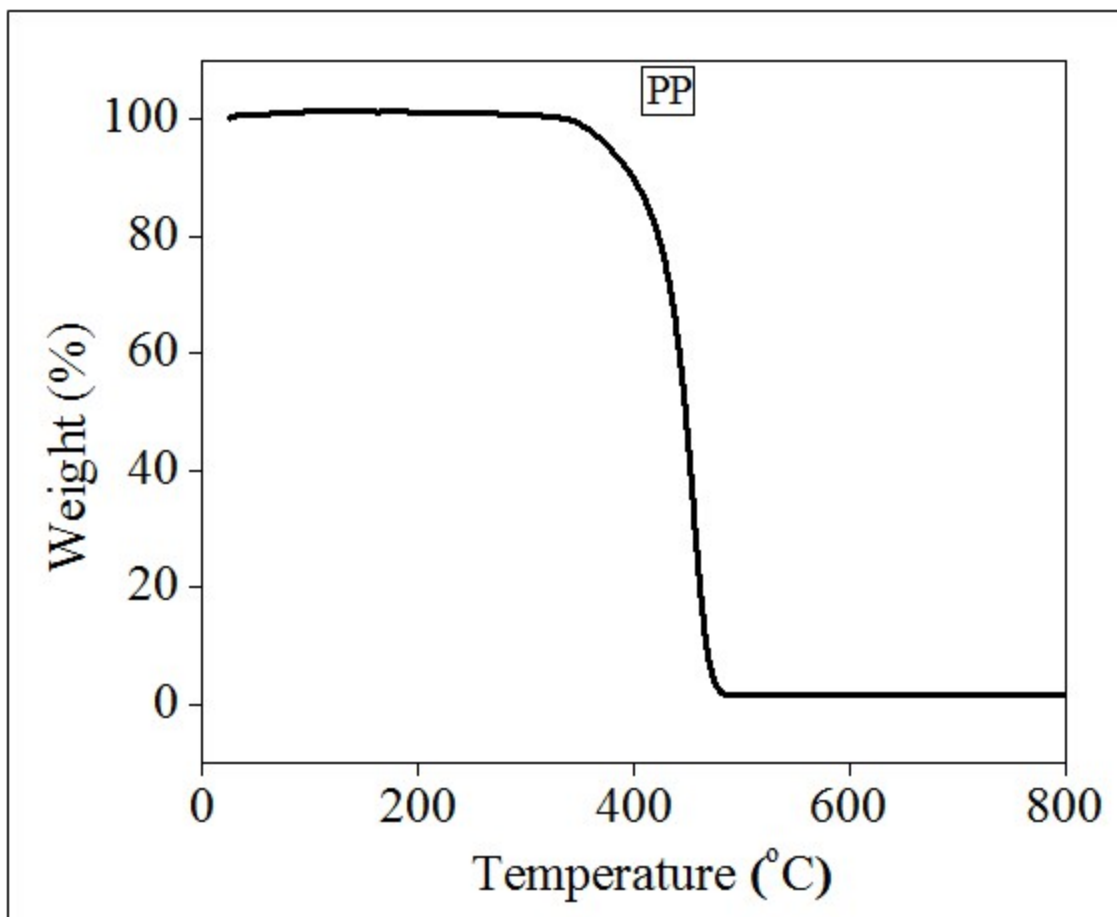


Fig S3: %Weight as a function of temperature for pure PP in N₂ environment during TGA.

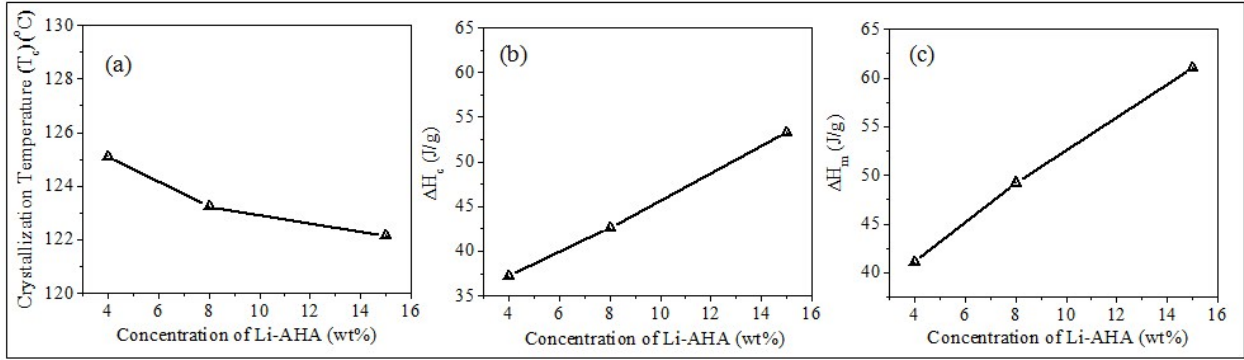


Fig S4: Variation of the (a) Crystallization temperature (T_c), (b) Enthalpy of the crystallization exotherm (ΔH_c) and (c) Enthalpy of melting endotherm (ΔH_m) of the PP phase as a function of Li-AHA concentration in separated MWCNT.