Supporting Information

Crystal Aggregation into Periodically Grating-Banded Assembly in Phthalic Acid Modulated by Molten Poly(ethylene oxide)

Tzu-Yu Chen, Eamor M. Woo*, and Selvaraj Nagarajan

Department of Chemical Engineering, National Cheng Kung University, Tainan, 701, Taiwan

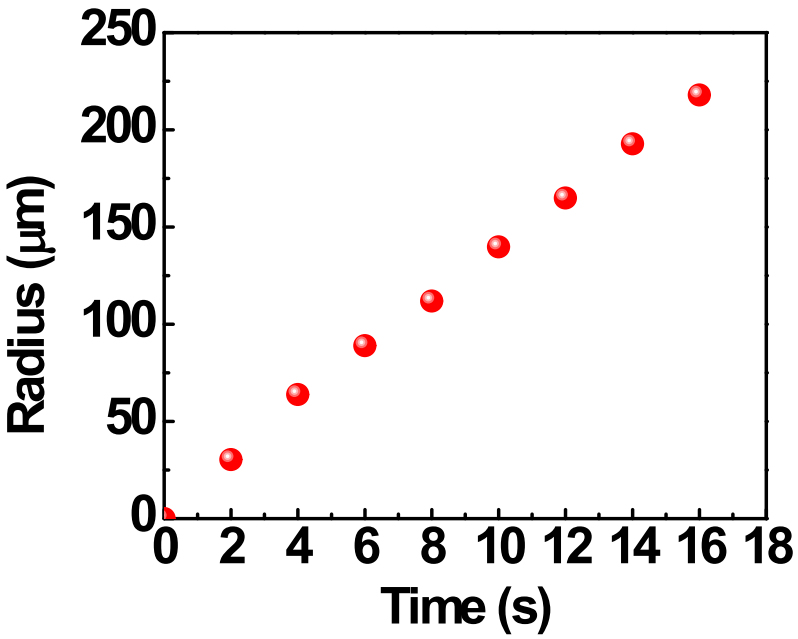

Figure S1. PA/PEO (50:50) blend crystallized at 70°C spherulite radius with time, the growth rate is 13.4 μ/s.

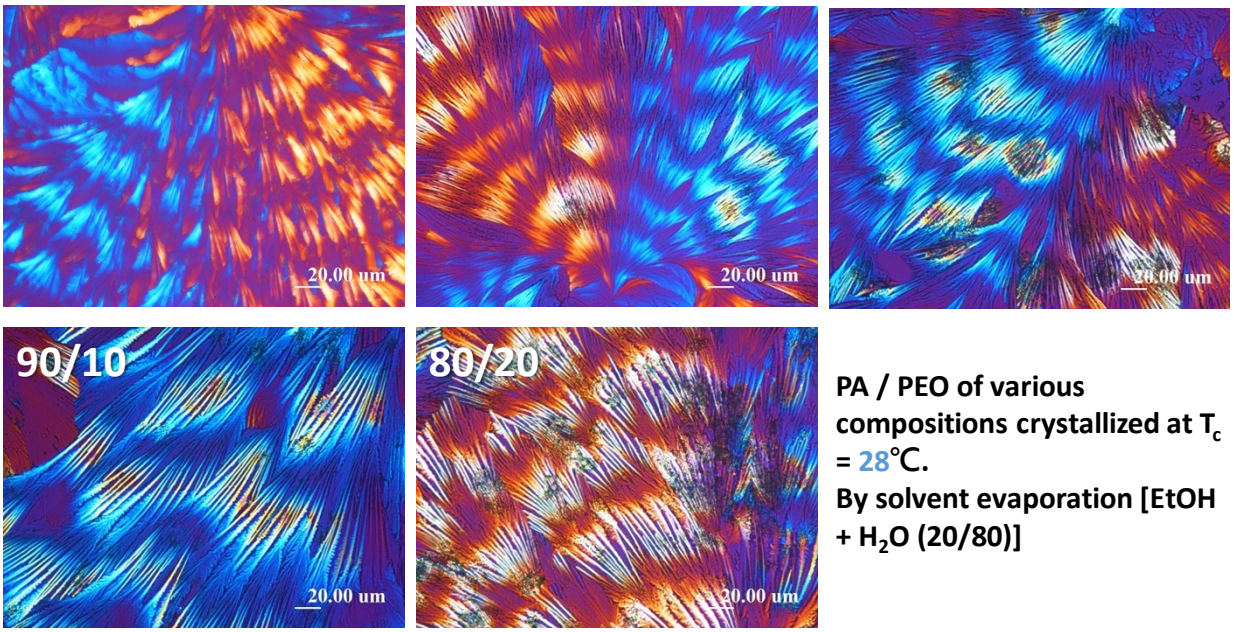

Figure S2. POM micrographs for PA / PEO of various compositions crystallized at T_c = 28℃. By solvent evaporation [EtOH + H_2O (20/80)]

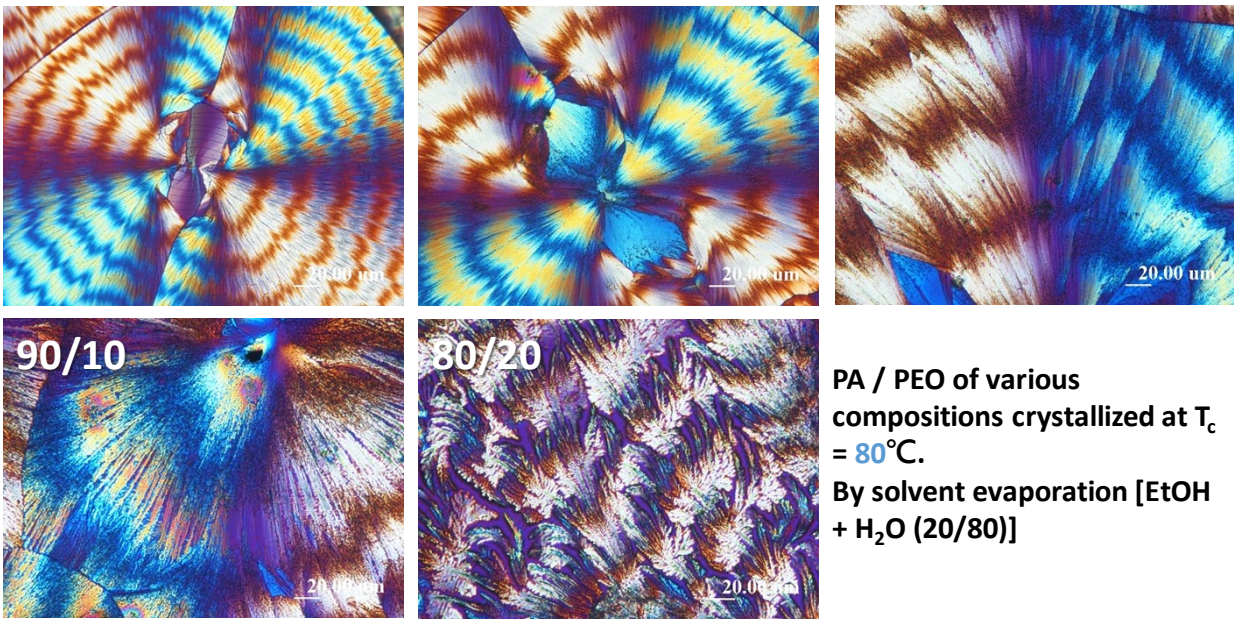

Figure S3. POM micrographs for PA / PEO of various compositions crystallized at T_c = 80℃. By solvent evaporation [EtOH + H_2O (20/80)].

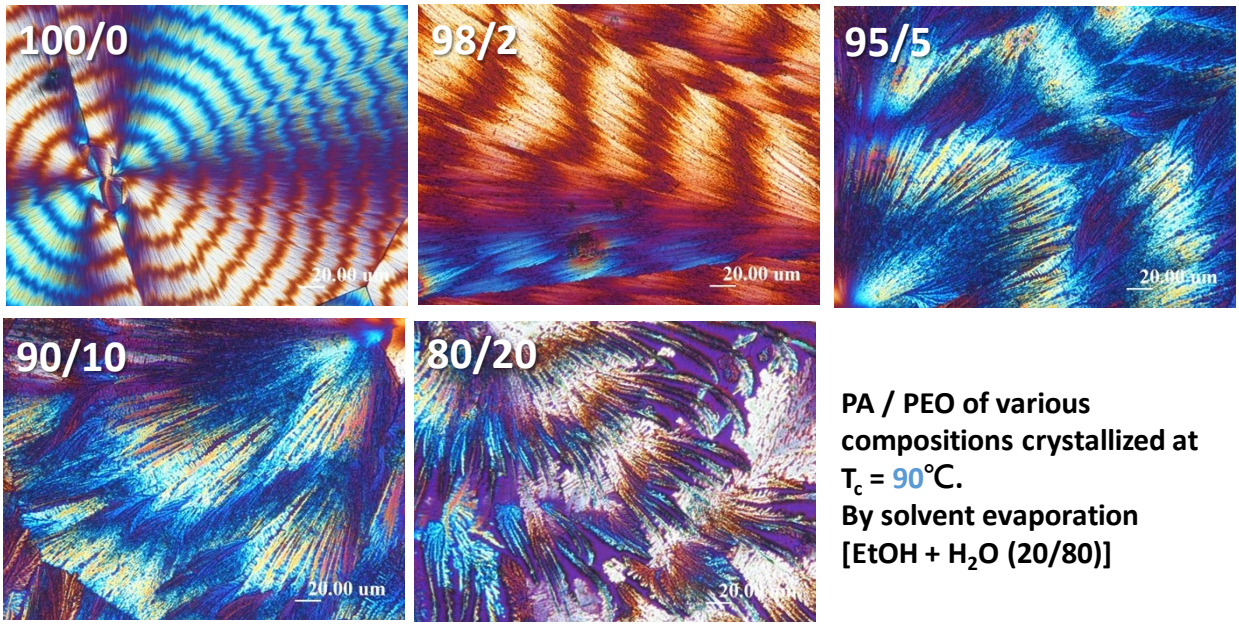

Figure S4. POM micrographs for PA / PEO of various compositions crystallized at T_c = 90℃. By solvent evaporation [EtOH + H_2O (20/80)].

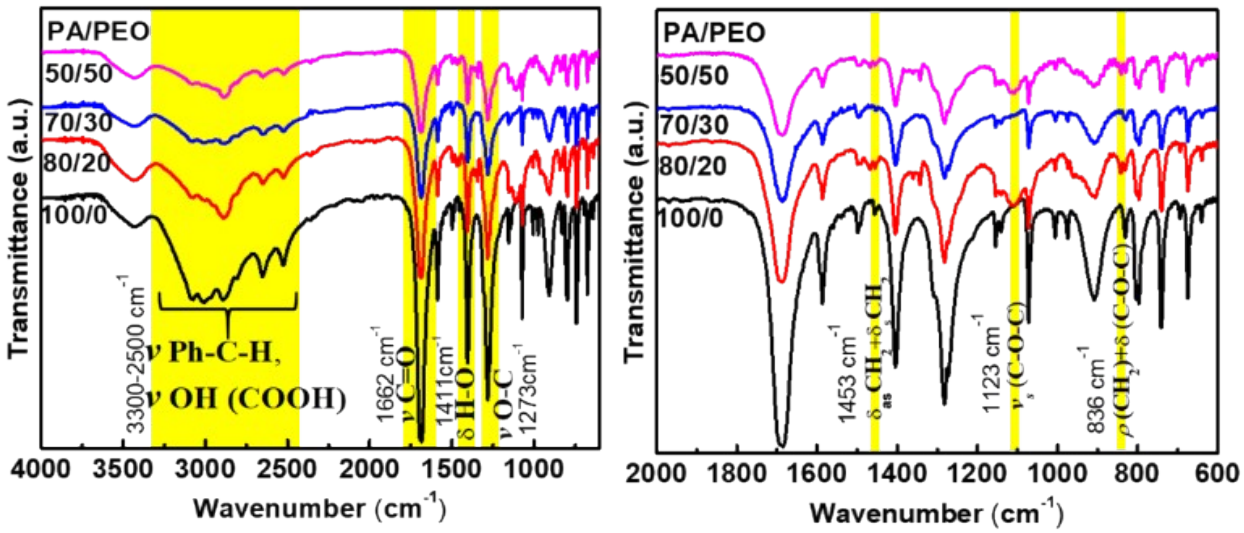

Figure S5. FTIR spectra for neat PA in comparison with PA/PEO blend of (80/20) and (50/50) compositions.

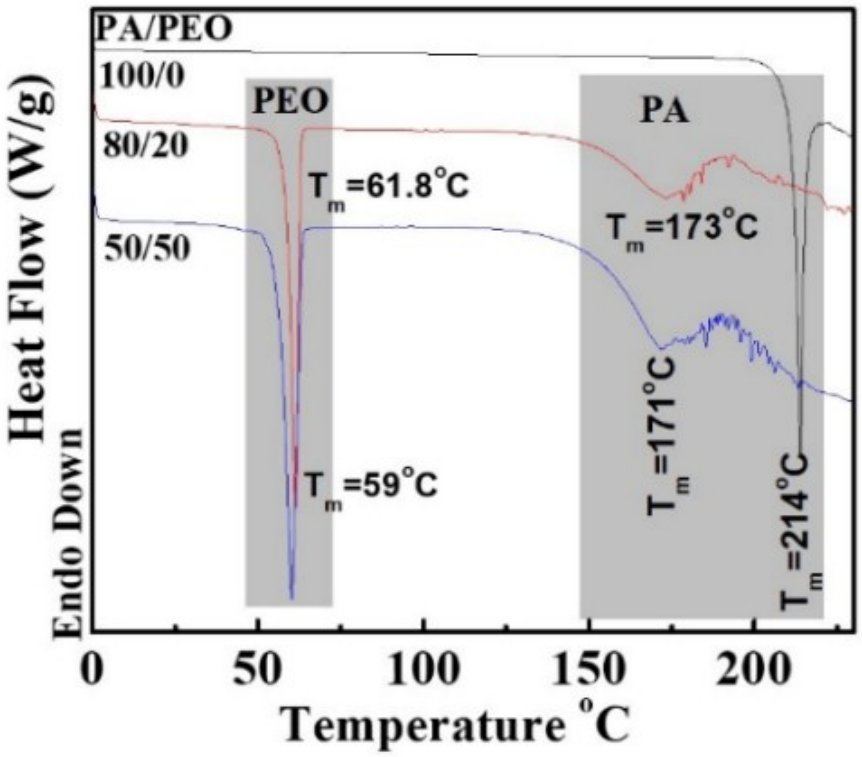

Figure S6. DSC traces (10°C /min) for neat PA in comparison with PA/PEO blend of (80/20) and (50/50) compositions.