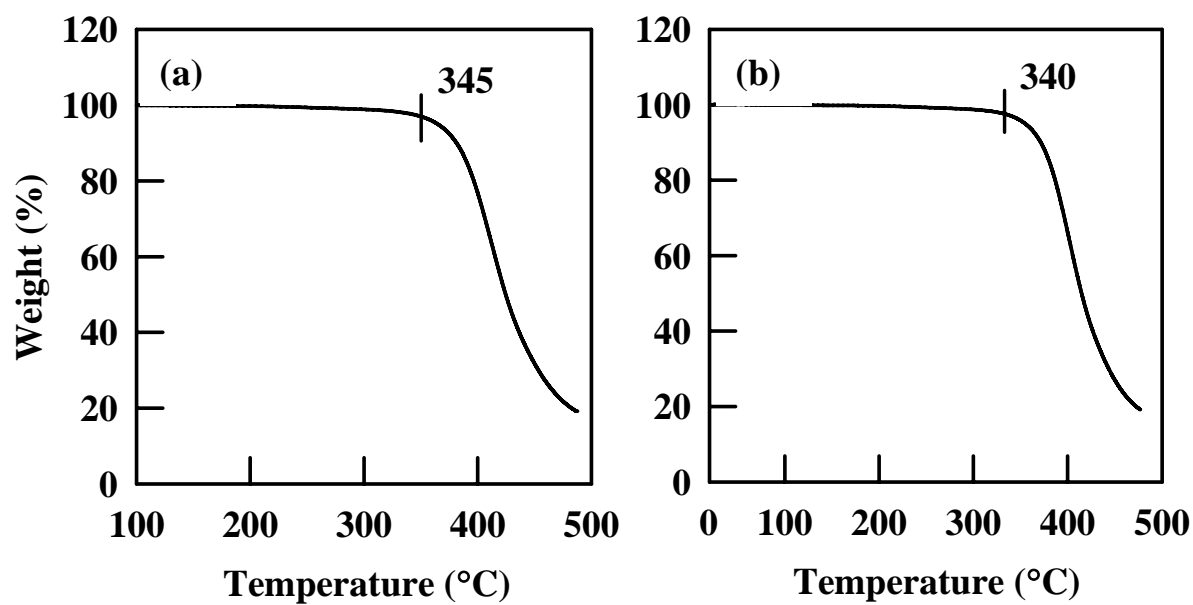
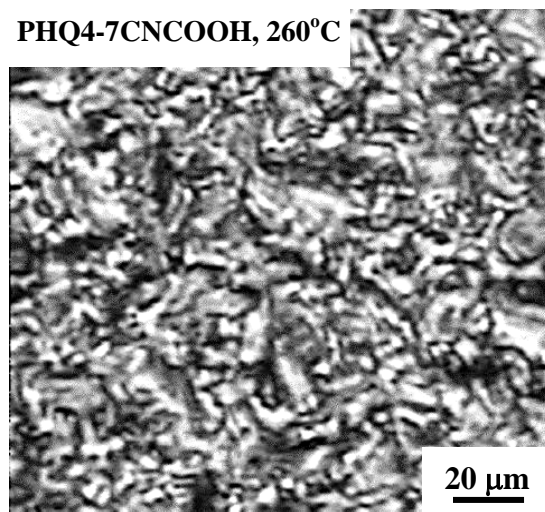


Supporting Information Available.

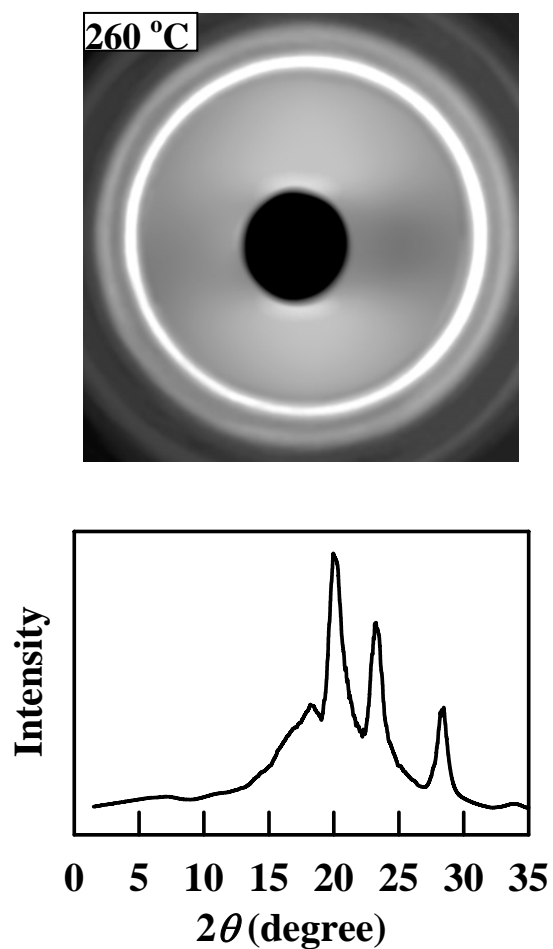


TGA data for (a) PHQ4 and (b) PHQ4-7CNCOOH, indicating that both polymers begin to undergo appreciable thermal degradation at 340 – 345 °C.

PHQ4-7CNCOOH, 260°C



POM image of PHQ4-7CNCOOH at 260 °C.



The upper panel gives WAXD powder patterns at room temperature of an as-polymerized PHQ4 specimen, which was first heated to 260 °C (15 °C above the melting) at a heating rate of 20 °C/min, remained there for 10 minutes followed by rapid quenching into ice water. The lower panel gives 2θ scanning of the same specimen.