

Supplementary Information for

Influences of high aspect ratio carbon nanotube network on normal stress differences measurements and extrusion behaviors for isotactic polypropylene nanocomposite melts†

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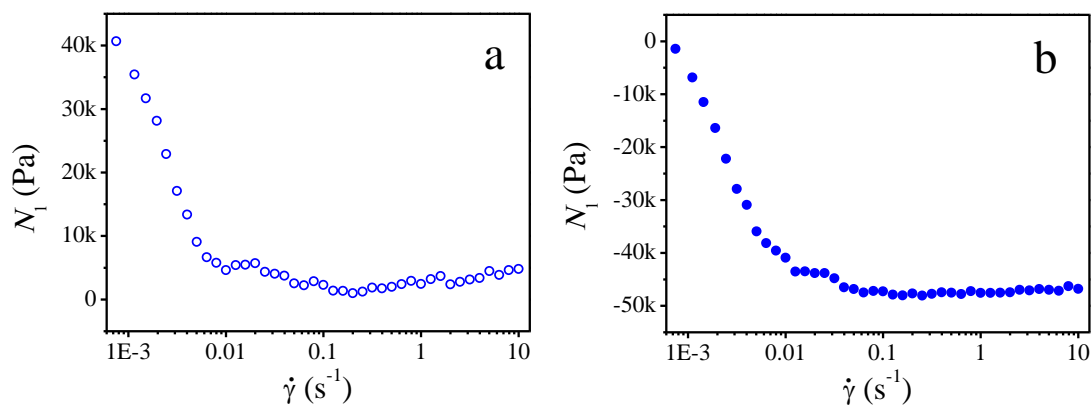


Fig. S1 Changes of first normal stress difference, N_1 with shear rate for the 5.0 wt% CNT/iPP nanocomposite in a cone-and-plate geometry for (a) without zeroing initial stresses induced by squeezing deformation, and (b) with zeroing initial stresses induced by squeezing deformation.

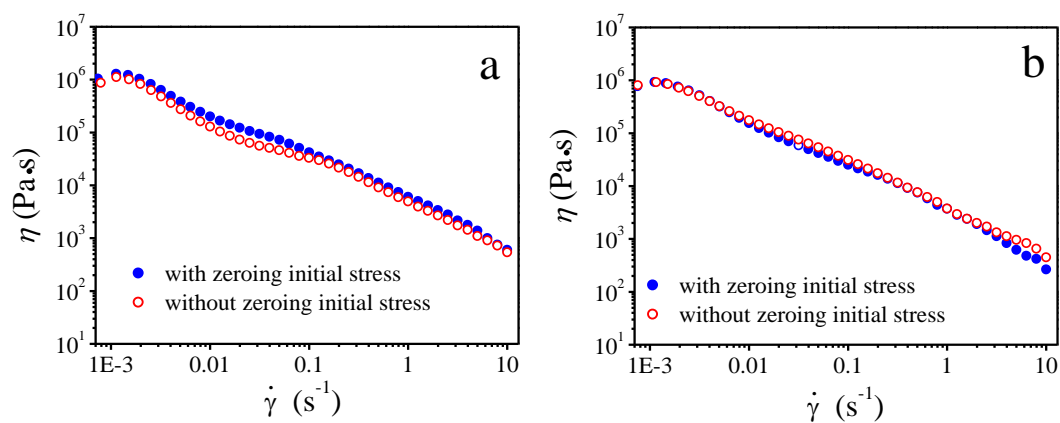


Fig. S2 Changes of steady shear viscosity with shear rate for the 5.0 wt% CNT/iPP nanocomposite under different test conditions of (a) in a 25 mm parallel plates geometry, and (b) in a 25 mm cone-and-plate geometry.