## Supplementary Information

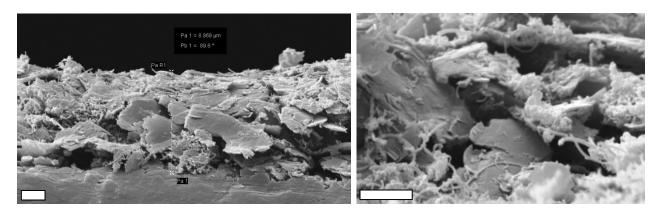
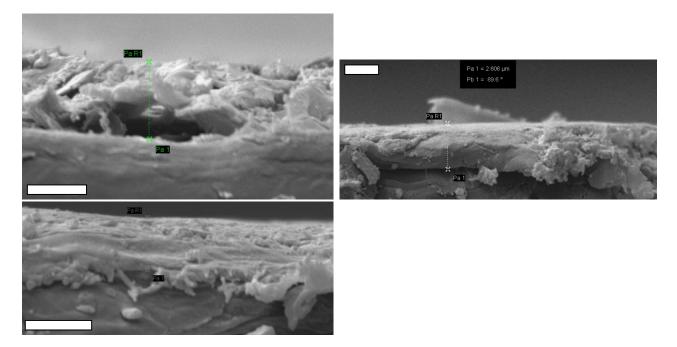


Fig. S1. Characteristic SEM images of the hybrid pG/MWNT-f-OH thin films from the cross sectional area before compression. The measured mean thickness is about 9  $\mu$ m. The bars are 2  $\mu$ m.



**Fig. S2.** Characteristic SEM images of the hybrid pG/MWNT-f-OH thin films from the cross sectional area after compression. The measured mean thickness is about 2.5  $\mu$ m. The bars are 2  $\mu$ m.