

Supplementary Information for

Graphene oxide sheets covalently functionalized with block copolymers *via* click chemistry as reinforcing fillers

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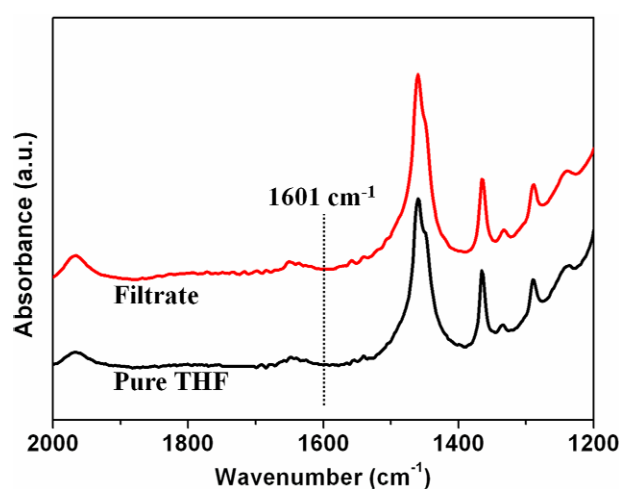


Fig. S1 FTIR spectra of pure THF and filtrate.

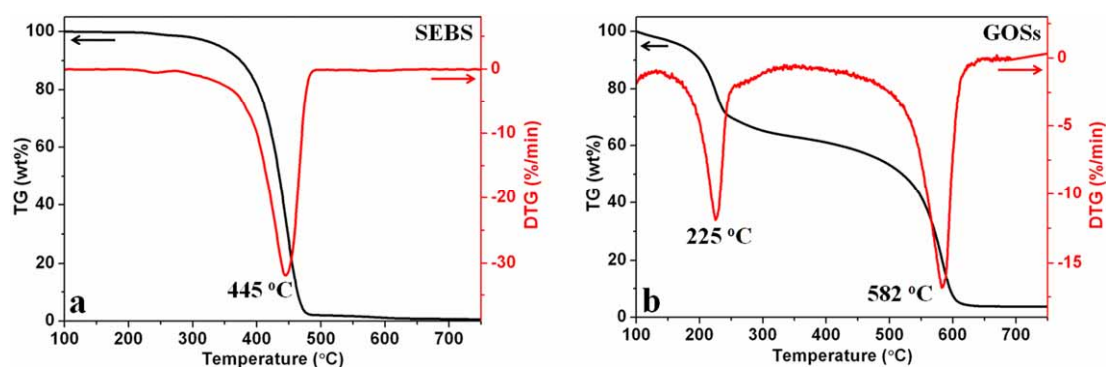


Fig. S2 TGA and DTG traces for (a) SEBS and (b) GOSs.

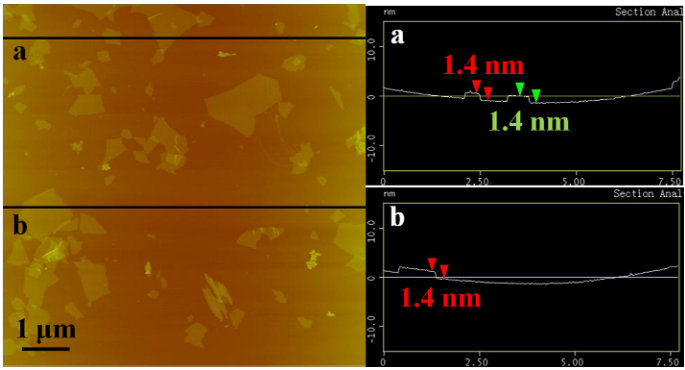


Fig. S3 AFM image (left) and height profiles (right) of GOSs.

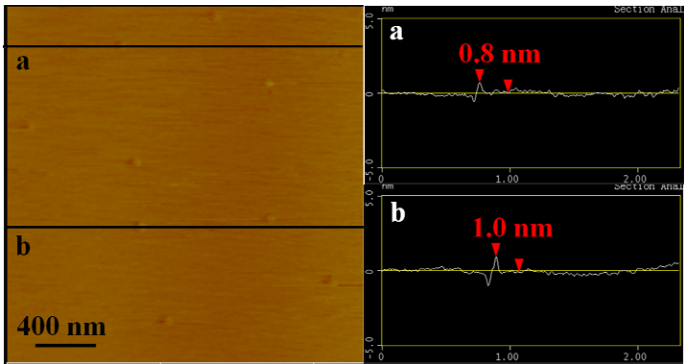


Fig. S4 AFM image (left) and height profiles (right) of chloroacetylated GOSs.

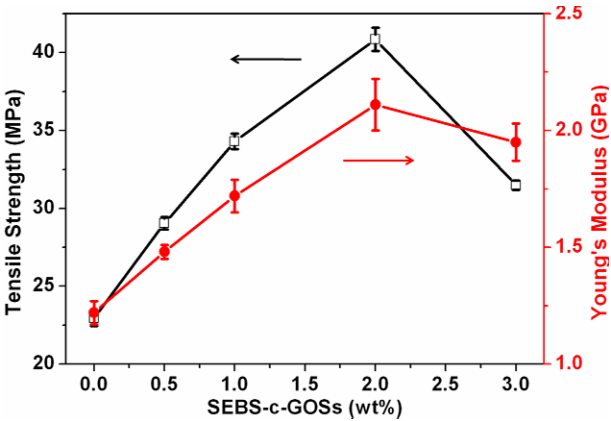


Fig. S5 Relationships of tensile strength and Young's modulus with SEBS-c-GOS concentration.

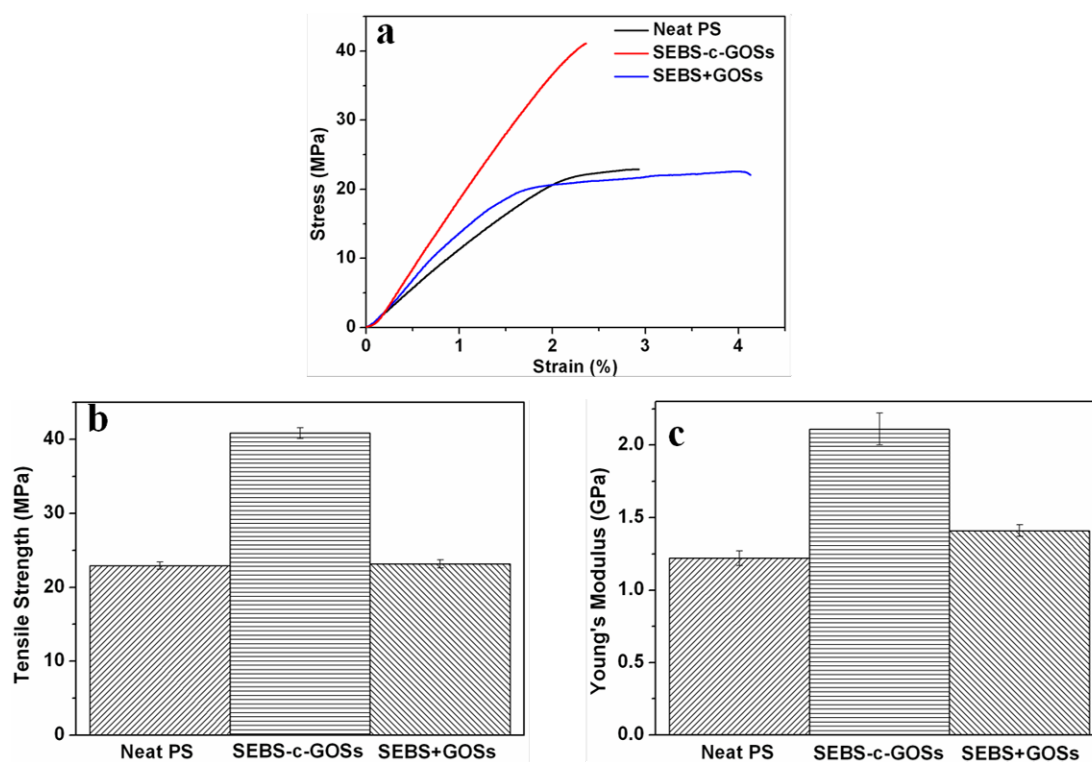


Fig. S6 (a) Representative stress-strain curves and (b), (c) mechanical data of neat PS, PS/2.0 wt% SEBS-c-GOS composite (SEBS-c-GOSs) and PS filled with 0.7 wt% SEBS and 1.3 wt% GOSs (SEBS+GOSs).

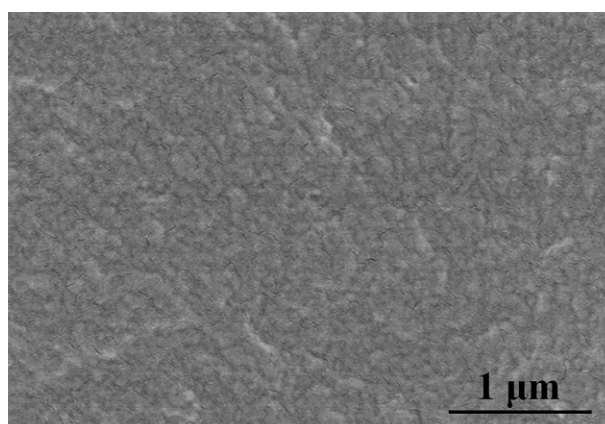


Fig. S7 FESEM image of the tensile-fractured surface for neat PS film.