

Supplementary information

Click-chemistry approach for graphene modification: effective
reinforcements of UV-curable functionalized graphene/polyurethane
acrylate nanocomposites

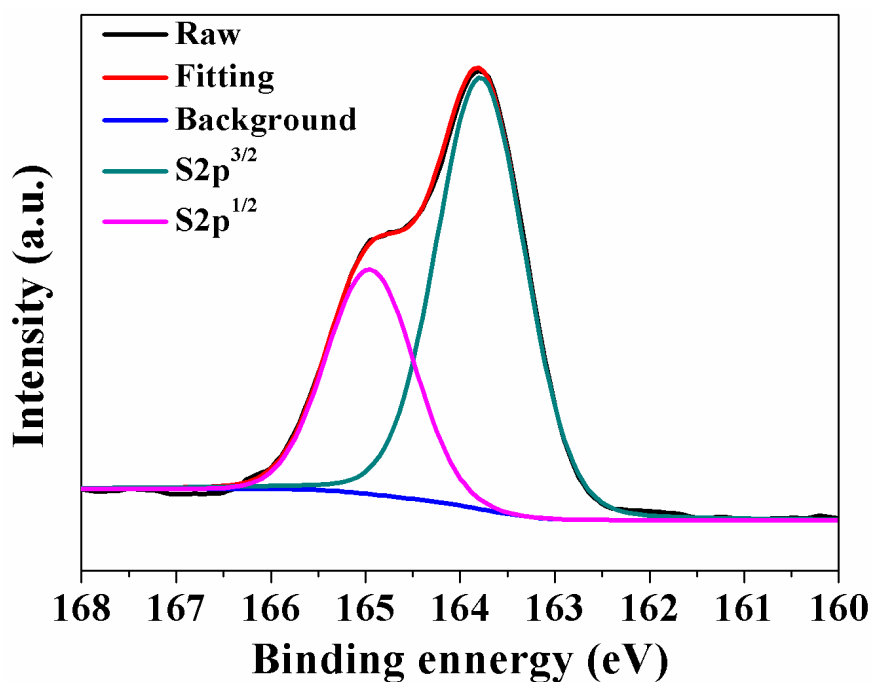


Fig. S1. XPS S2p spectra of FRGO

The XPS S2p spectrum of FRGO is fitted with a doublet having a 2:1 area ratio, and a 1.2 eV splitting, as shown in Fig. S1. The doublet at a binding energy of 163.8 and 165.0 eV, corresponding to S2p^{3/2} and S2p^{1/2} peaks, respectively, which is attributed to S-C bonds and/or free thiol (-SH).^{1, 2} This result reveals the grafting of OMP-POSS on the surface of RGO.

References

1. S. Watcharinyanon, C. Puglia, E. Göthelid, J.-E. Bäckvall, E. Moons and L. S. Johansson, *Surf. Sci.*, 2009, **603**, 1026-1033.
2. D. G. Castner, K. Hinds and D. W. Grainger, *Langmuir*, 1996, **12**, 5083-5086.