

SUPPORTING INFORMATION

Epoxy Nanocomposites Filled with Thermotropic Liquid Crystalline Epoxy Grafted Graphene Oxide

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SUPPLEMENT

The TEM images of the epoxy nanocomposites, as shown in **Figure S1**, help demonstrate the dispersion state of nanoplatelets within matrix in this study.

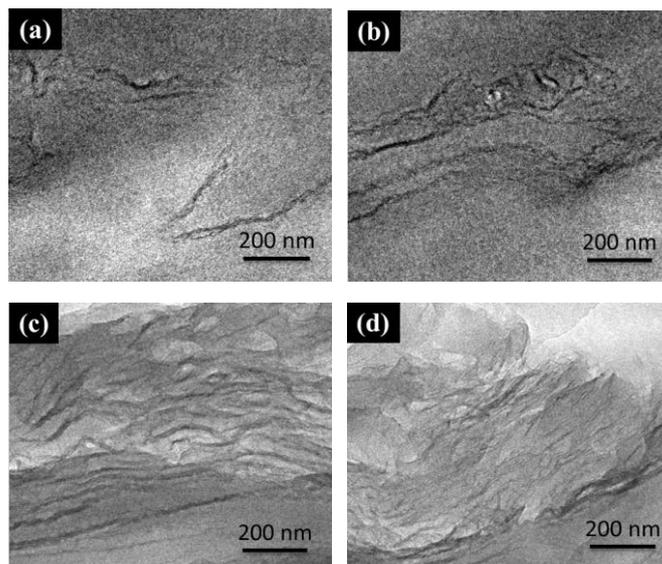


Figure S1. TEM images of LCE-g-GO nanocomposites: (a) 1 wt%, (b) 3 wt%, (c) 5 wt%, and (d) 7 wt%.

Table S1. Influence of amount of GO on impact and flexural properties of nanocomposites.

Sample	Impact strength (kJ/m ²)	Flexural strength (MPa)	Flexural modulus (MPa)
1 wt%	12.80(0.22)	116.84(0.29)	2104(0.18)
3 wt%	16.50(0.28)	125.06(0.27)	2156(0.16)
5 wt%	11.42(0.25)	95.24(0.25)	2098(0.19)
7 wt%	5.60(0.26)	87.10(0.31)	1870(0.17)

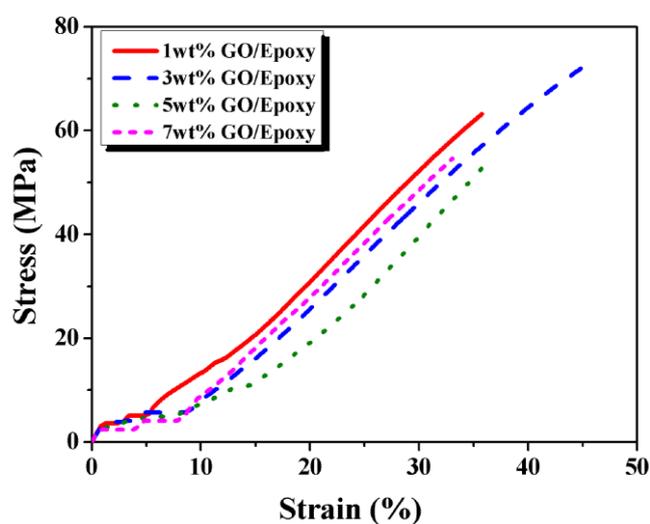


Figure S2. Representative tensile stress-strain curves of GO/epoxy nanocomposites.

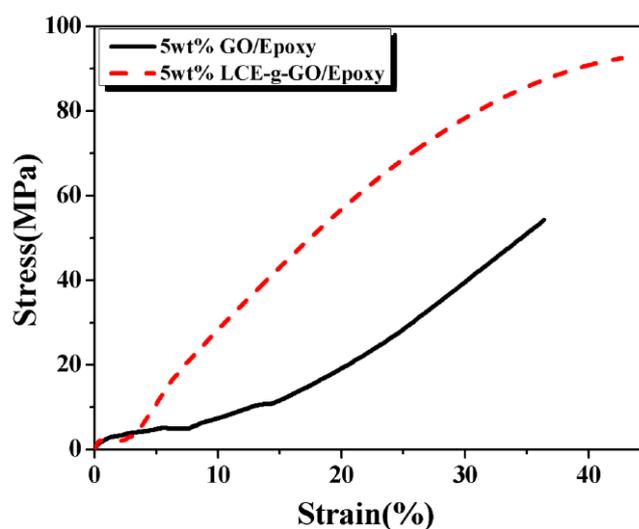


Figure S3. Comparison of tensile stress-strain curves between LCE-g-GO/epoxy and GO/epoxy nanocomposites at 5 wt%.