

Supplementary material

Table S1: Surface free energy, specific of the test wetting liquids used in the work

Wetting liquid	γ_L (mJ m ⁻²)	γ_L^L (mJ m ⁻²)	γ_L^{SP} (mJ m ⁻²)
Distilled water	72.80	21.80	51.00
Diiodomethane	50.80	50.42	0.38
Ethylene glycol	47.70	31.00	16.70

Table S2: The contact angles of neat EP and the EP/GO nanocomposites

Specimen	Contact angle (θ)		
	Distilled water	Diiodomethane	Ethylene glycol
EP	75.0 ± 0.4	29.8 ± 0.5	49.5 ± 0.8
EP/GO0.2	71.5 ± 0.2	28.9 ± 0.4	48.5 ± 0.7
EP/GO0.4	69.7 ± 0.1	27.1 ± 0.9	47.3 ± 0.5
EP/GO0.6	69.2 ± 0.1	30.6 ± 1.0	36.1 ± 0.7
EP/GO0.8	67.8 ± 0.1	24.9 ± 0.3	27.6 ± 1.3