

Supporting Information

Reinforcement and interphase of polymer/graphene oxide nanocomposites

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Table S1 Measured contact angle values for polymers referred from the literature^a

Polymer	Water	Formamide	Diiodomethane	Ref.
PE	77.46	74.1	53.5	1
PS	80	62	39	2
PCL	64.8	46	46.3	3
PLLA	67	62.9	36.0	2,4
GO	67.4	18.5	38.5	5

^aall the contact angle values were measured by the sessile drop method at ambient humidity and temperature with two different polar liquids (deionized water and formamide) and one nonpolar liquid (diiodomethane).

Table S2 Density and Poisson's ratio values used in the calculation

Polymer	LLDPE	PP	PS	PCL	PLLA	PEO	PVA	PEN	PMMA
Density (Mg/m ³)	0.87	0.95	1.05	1.13	1.22	1.09	1.30	1.33	1.18
Poisson's ratio, ν	0.40	0.36	0.34	0.46	0.4	0.3	0.4	0.32	0.37

References

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