

Supporting Information

Exceptional electrical and thermal transport properties in tunable all-graphene papers

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Table S1 Thermal conductivity of typical graphene- and graphite-based materials.

Conductive Fillers	Matrix	Filler loadings	Thermal conductivity (W/mK)	Refs
Graphite nanoplatelets	epoxy	25 vol%	6.44	1
Graphene	poly(vinyl alcohol)	40 vol%	30	2
Graphene	epoxy	10 wt%	1.53	3
Graphene	epoxy	25 wt%	2.67	4
fGNPs	polyphenylene sulfide	40 wt%	4.414	5
LTEG	Polyamide 6	70 wt%	32.33	6
LTEG	Polyamide 6	60 wt%	21.05	7
Graphene	epoxy	10 vol%	5.1	8
GN	GO	80 wt%	80	This work

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