

# Polyurethane foam-supported three-dimensional interconnected graphene nanosheets network encapsulated in polydimethylsiloxane to achieve significant thermal conductivity enhancement

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## Supplementary material

### Figures

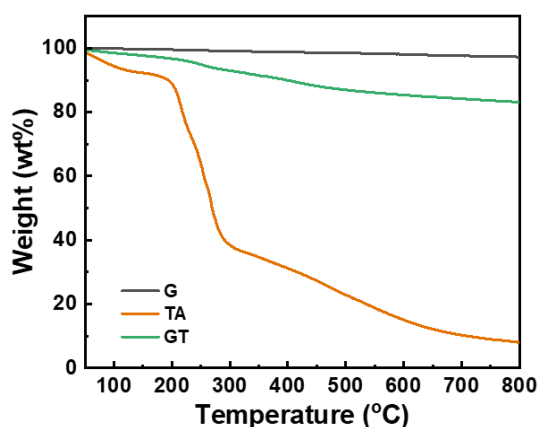


Fig. S1 TGA curves of G, TA, and GT.

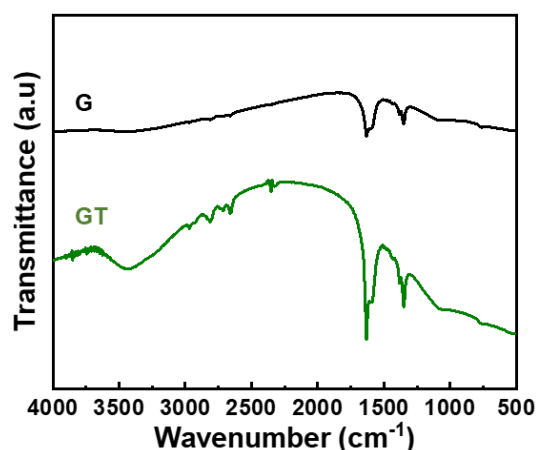
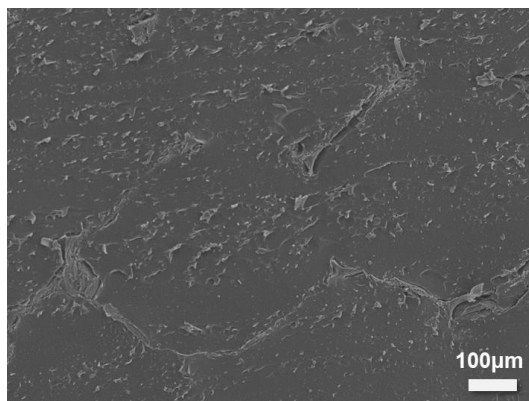
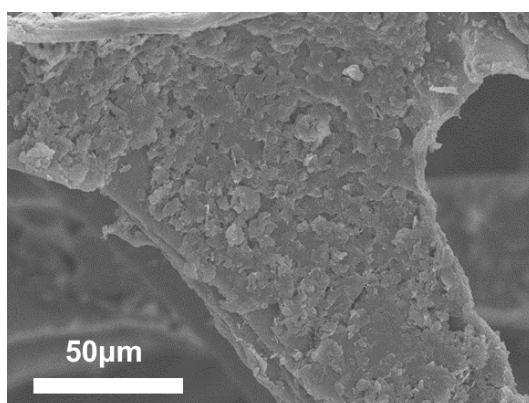


Fig. S2 FTIR spectra of G and GT.



**Fig. S3** Cross-sectional SEM image of PU@GT/PDMS.



**Fig. S4** SEM image of the PU@GT foam after 50 compressions.