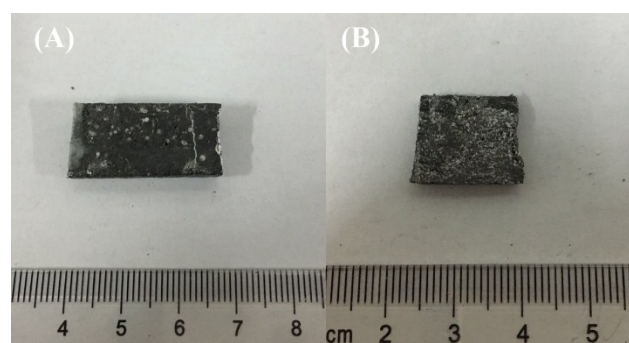


## Dual-Encapsulation of octadecanol in thermal/electric conductor for enhanced thermoconductivity and efficient energy storage

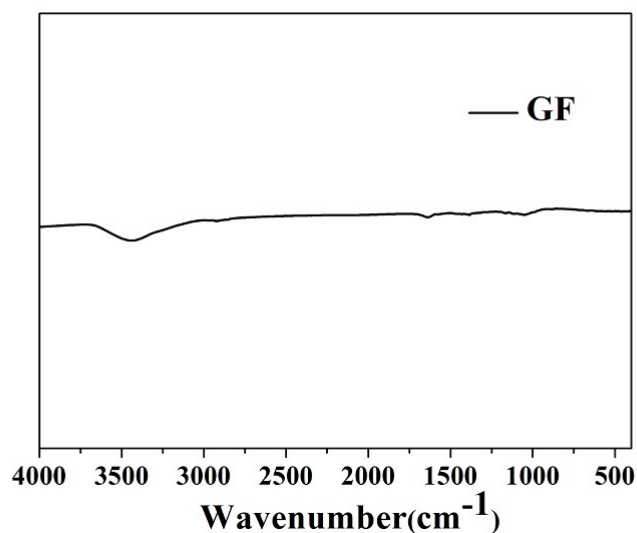
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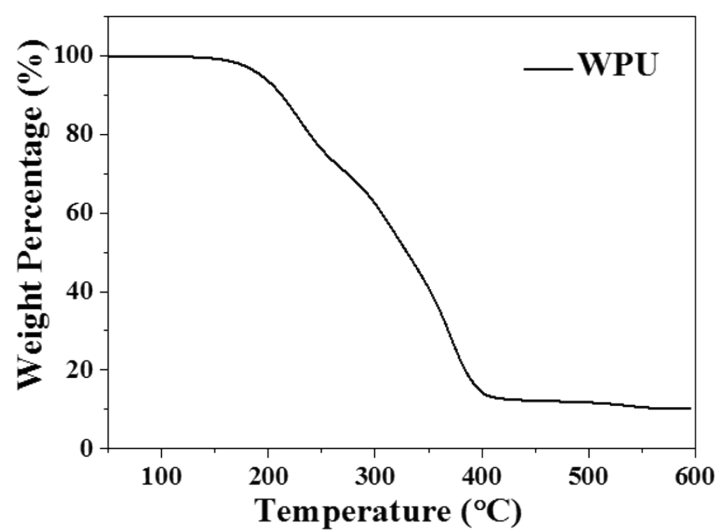
<sup>b</sup>Research Institute of Chemical Defence, Beijing, China



**Figure S1.** (a) The composite with repeated dipping was fully covered by WPU, (b) the composite dipped in the solution during the time was partially covered.



**Figure S2.** FT-IR of GF.



**Figure S3.** TGA curves of WPU.

**Table S1.** The electron conductivity of different samples

Sample	GF	OCT@GF (without)	OCT@GF (with)
Electric conductivity (S/m)	669	537	15.6