

Supplementary Materials

Graphene Oxide Enhanced and Dynamically Crosslinked Bio-elastomer for Poly(lactic acid) Modification

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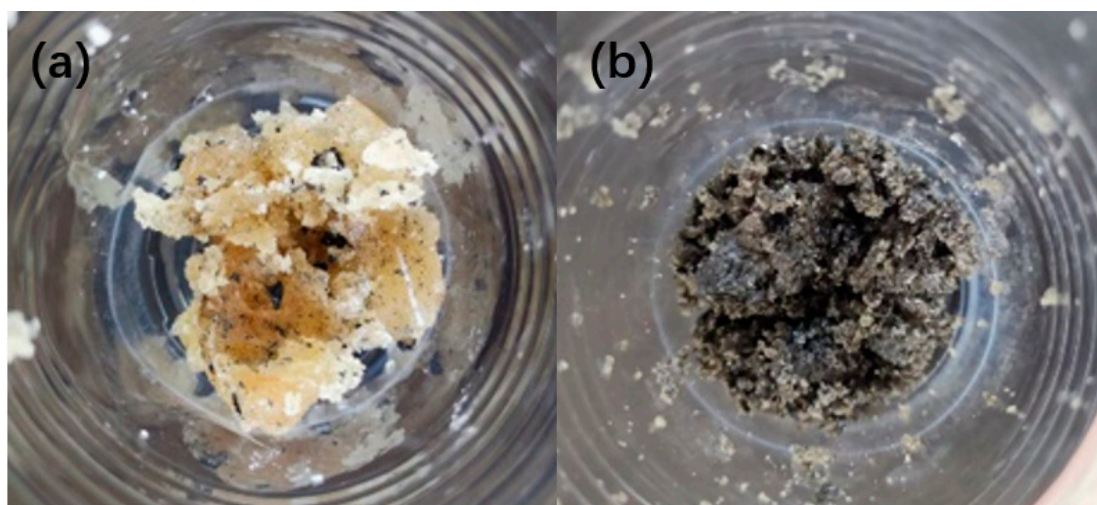


Figure S1. GESO elastomeric gels prepared from blend crosslinking of ESO and GO by SA: (a) GO was added to ESO without ultrasonication; (b) GO was added to ESO with ultrasonication for even dispersion

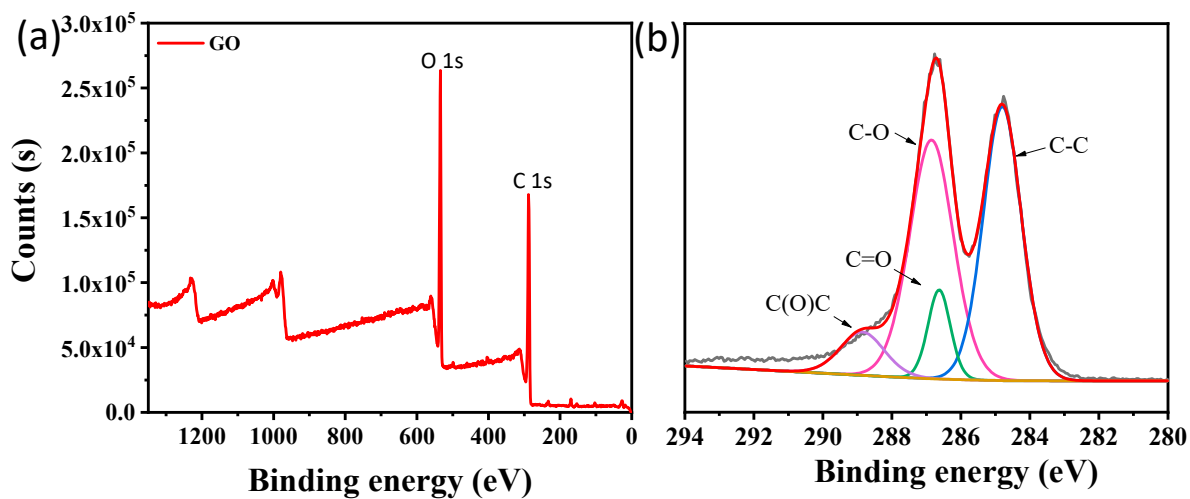


Figure S2. (a) XPS wide-scan and high-resolution (b) carbon scan spectra of GO.

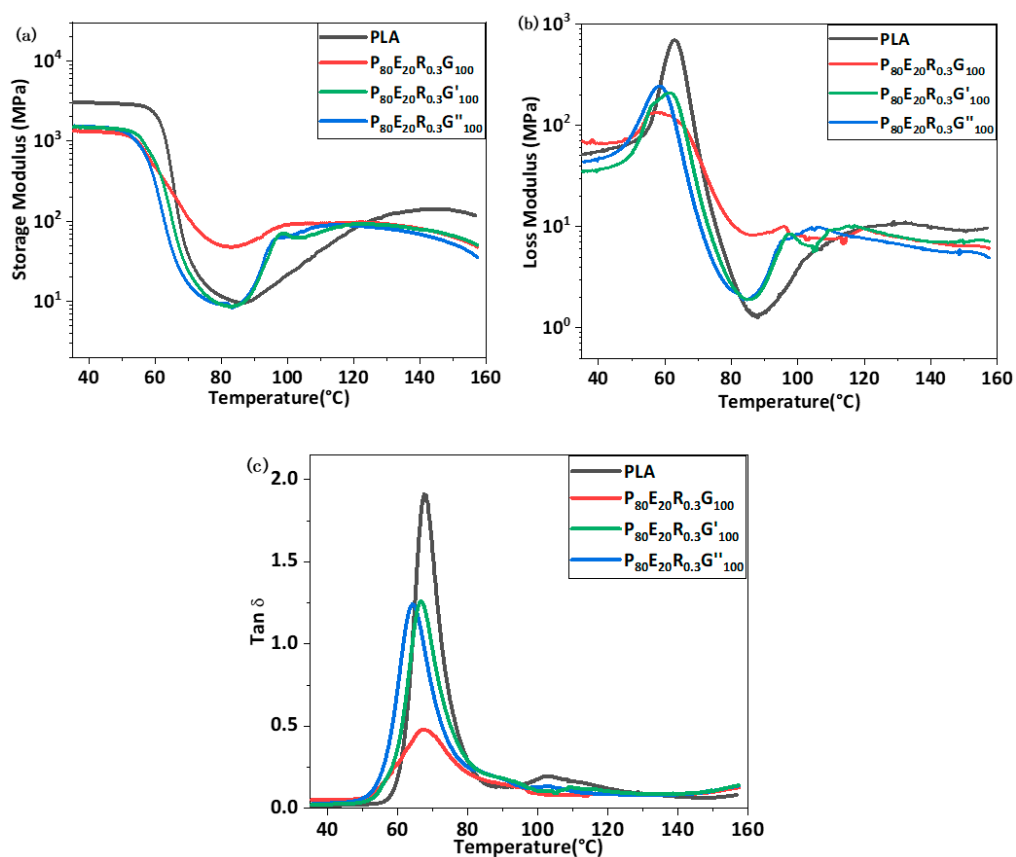


Figure S3. Temperature dependence of (a) storage modulus (E'), (b) loss modulus (E'') and (c) damping factor ($\tan \delta$) of PLA-GESO blends obtained with different GO treatments

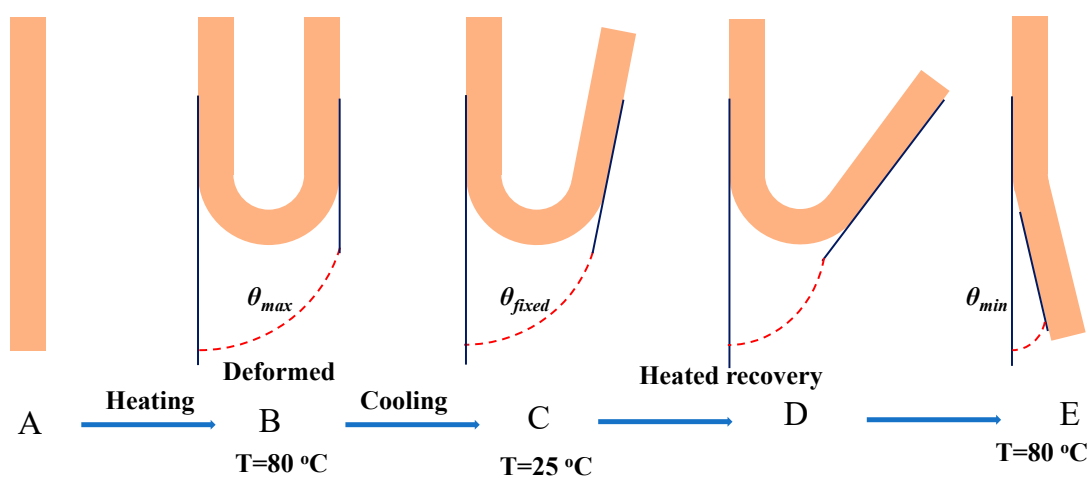


Figure S4. Schematic diagram of the shape memory performance test



Figure S5. Pictures for anti-electrostatic test of $P_{80}E_{20}R_{0.3}G_0$, $P_{80}E_{20}R_{0.3}G_{50}$, $P_{80}E_{20}R_{0.3}G_{100}$ and $P_{80}E_{20}R_{0.3}G_{150}$ samples stored after one week in the ambient environment