Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Supporting Information

Highly-stretchable, self-healable random copolymers for loading large amounts of multiwall carbon nanotube (MWCNT) for the preparation of stretchable and healable electric sensors

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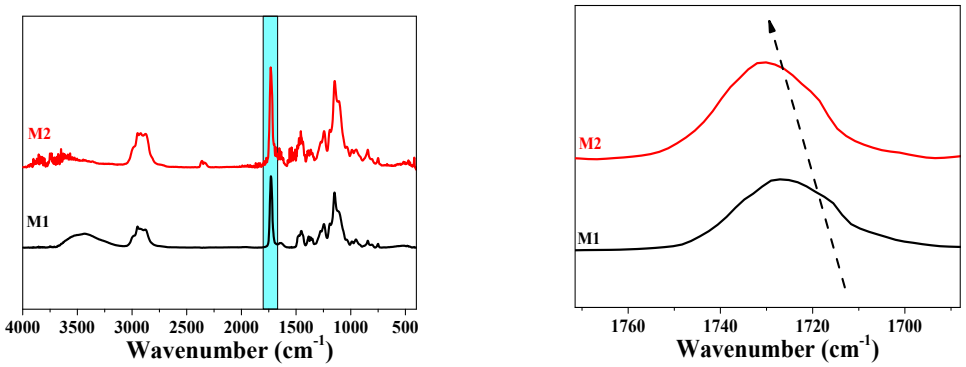

Figure S1. FTIR spectra of M1 and M2 recorded at room temperature in (a) the 400-4000 cm^{-1} and (b) the 1660-1780 cm^{-1} regions.

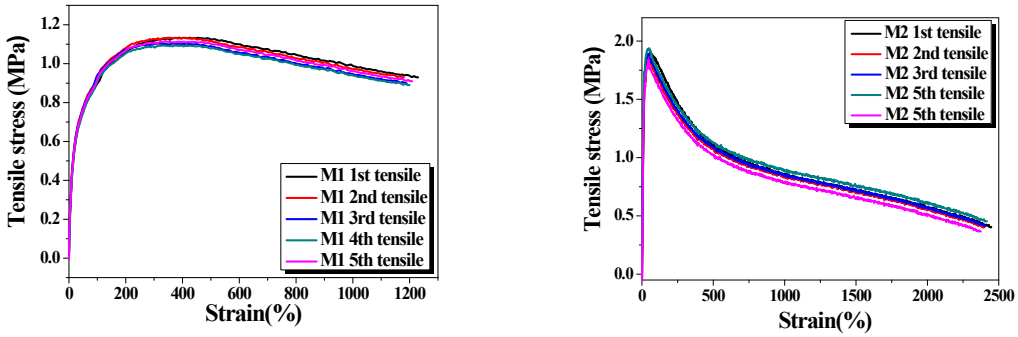

Figure S2. Cyclic tensile tests of M1 (left) and M2 (right) showing the mechanical reversibility of the elastomers.

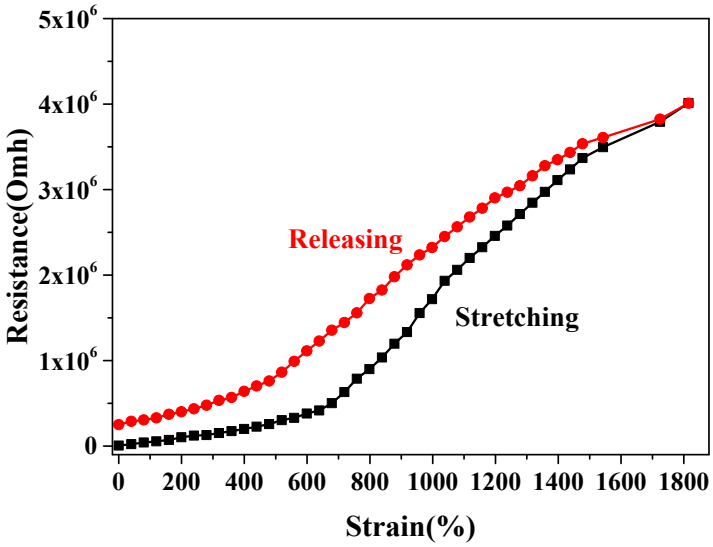

Figure S3. Resistance recovery of M2/NT20 conductor film within strain of 1800%.

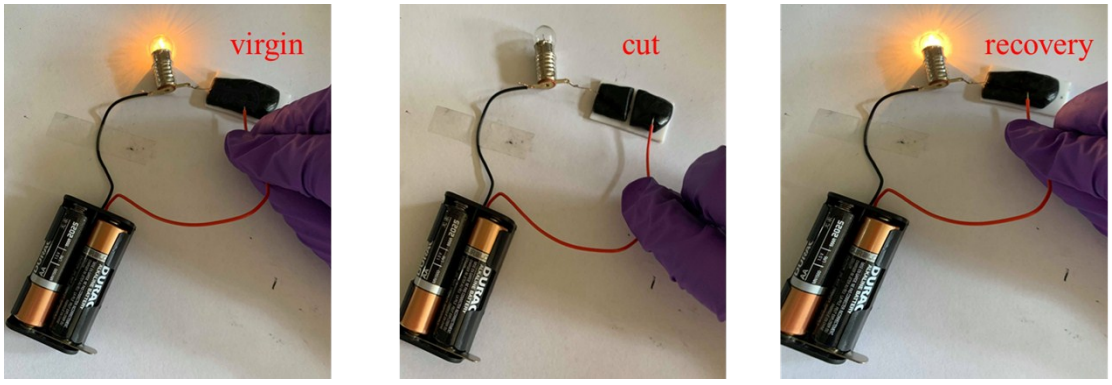

Figure S4. Series of photos demonstrating that the conductance of the M2/NT20 films after being cut can be well-restored to result in the light-up of integrated LED again.