

**Tough, anticorrosive hydrogel consisting of bio-friendly resources for
conductive and electromagnetic shielding materials**

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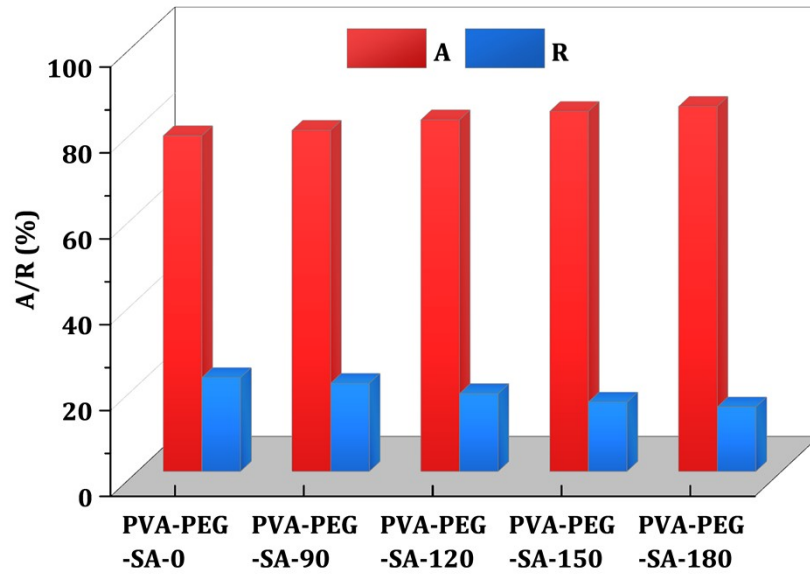


Fig. S1. The R-A coefficient of PVA-PEG-SA hydrogels.

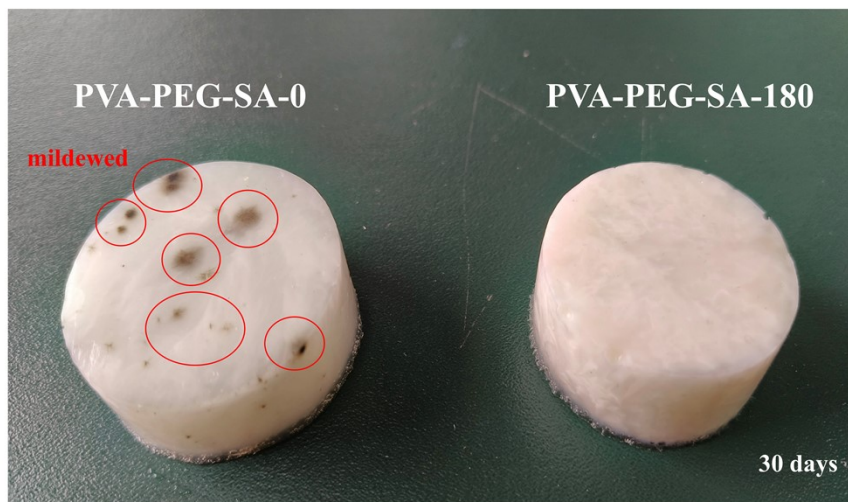


Fig. S2. The representative photographs of PVA-PEG-SA-0 hydrogel and PVA-PEG-SA-180 hydrogel store changes 30 days.

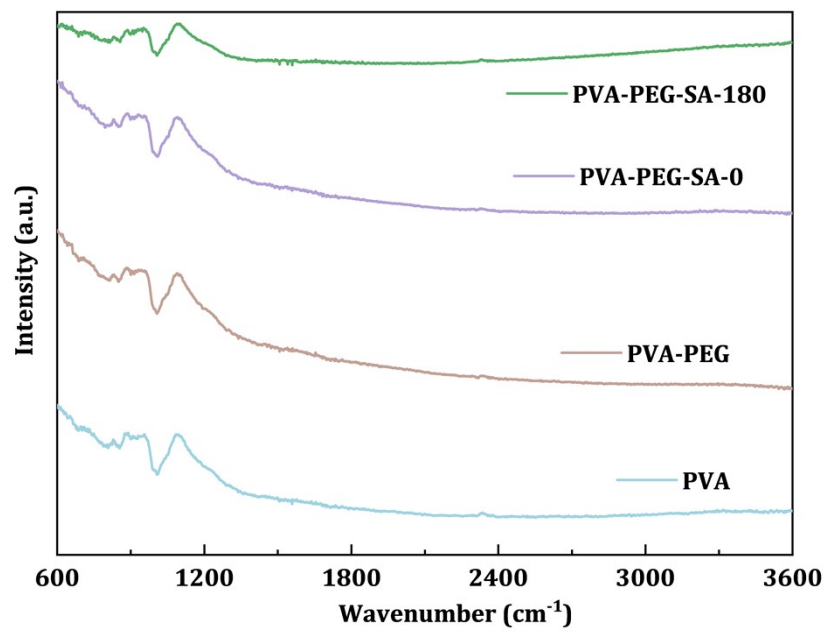


Fig. S3. FTIR spectra of different composition of PVA-PEG-SA hydrogels