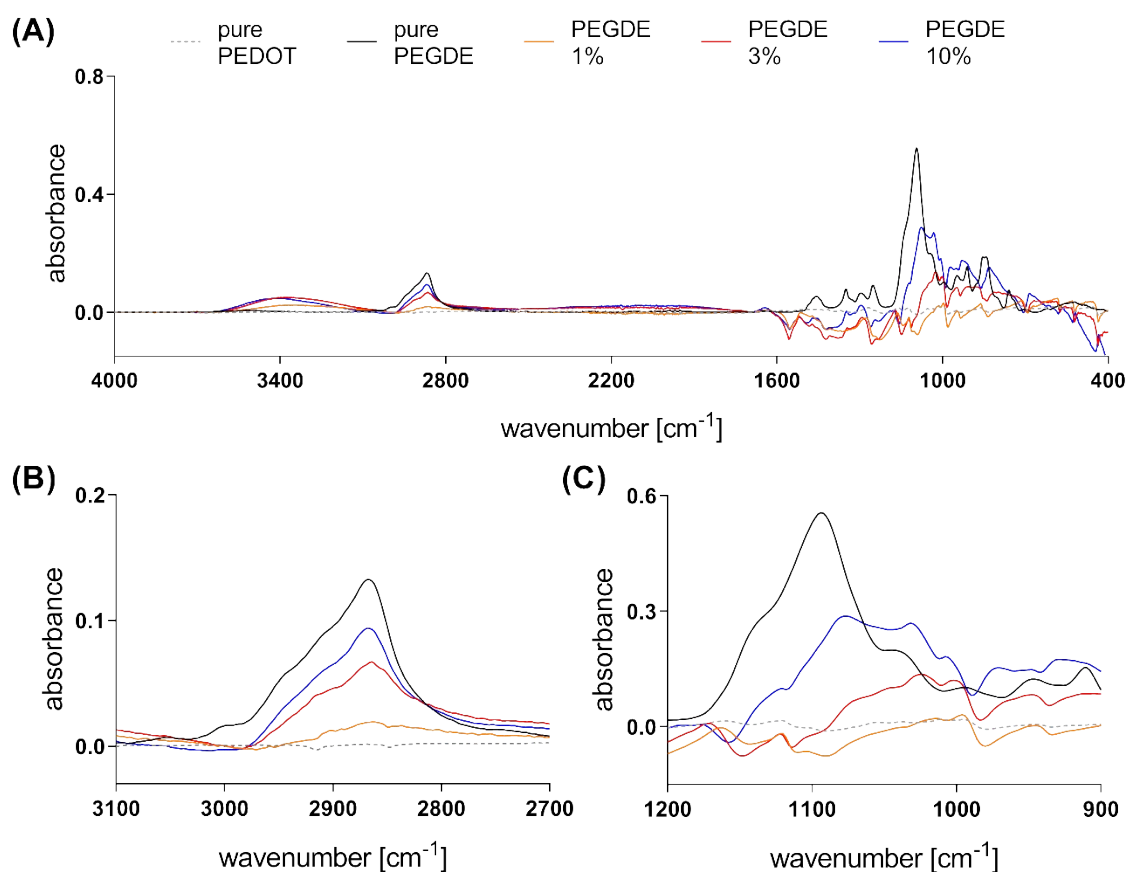
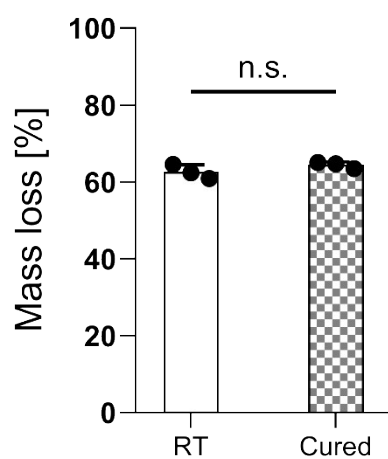


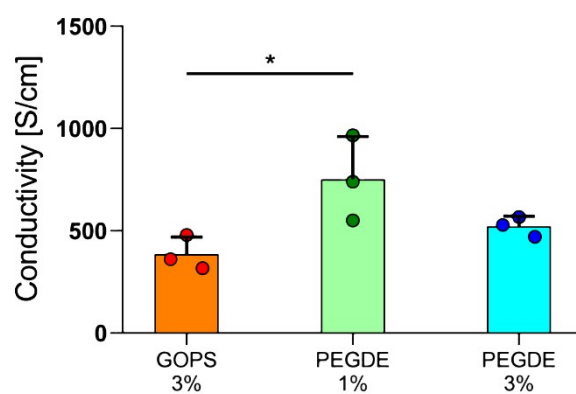
Electronic supplementary information (ESI)



Supporting Information 1. FT-IR spectra of pure PEDOT:PSS, pure PEGDE and PEDOT:PSS film crosslinked with PEGDE at 1, 3 and 10 w/v%. (A) Whole spectra. (B) Detail spectra between 2700 and 3100 cm⁻¹. (C) Detail spectra between 900 and 1200 cm⁻¹.



Supporting Information 2. Mass loss after 48 hours in distilled water in dynamic conditioning for PEDOT:PSS-PEGDE drop-casted films dried at room temperature or cured at 140 °C. Data values are presented as associated points. n.s. represents absence of statistical significance ($p > 0.05$) between indicated groups using unpaired student t-test.



Supporting Information 3. Conductivity values from 4-point probe method on crosslinked PEDOT:PSS spin-coated on ITO coated glass slides. Data values are presented as associated points. * represents statistical significance ($p < 0.05$) between indicated groups using one-way ANOVA with Tukey's post-hoc test.