



Figure 1. Fabrication and characteristic of SEP-coated PCL flat patch. (a) Schematic of the fabrication method for the SEP-coated PCL flat patch, including lithography and dip-coating, and optical image of a SEP-coated flexible PCL flat patch. (b) SEM images of the uncoated (Flat) and SEP-coated (E-flat) surfaces of the flat morphology. (c) AFM images of the uncoated and SEP-coated surfaces of the flat morphology (d) FT-IR analysis of the SEP, PCL flat patch, and SEP-coated PCL flat patch. (e) Contact angle measurements of the PCL and SEP-coated PCL flat patches. (f) Strain-stress curves of the PCL and SEP-coated PCL flat patches. (g) Adhesion force analysis of the PCL and SEP-coated PCL flat patch (left : normal adhesion, right: shear adhesion).