

Electronic Supplementary Information

One-step surface modification for irreversible bonding of various plastics with poly(dimethylsiloxane) elastomer at room temperature

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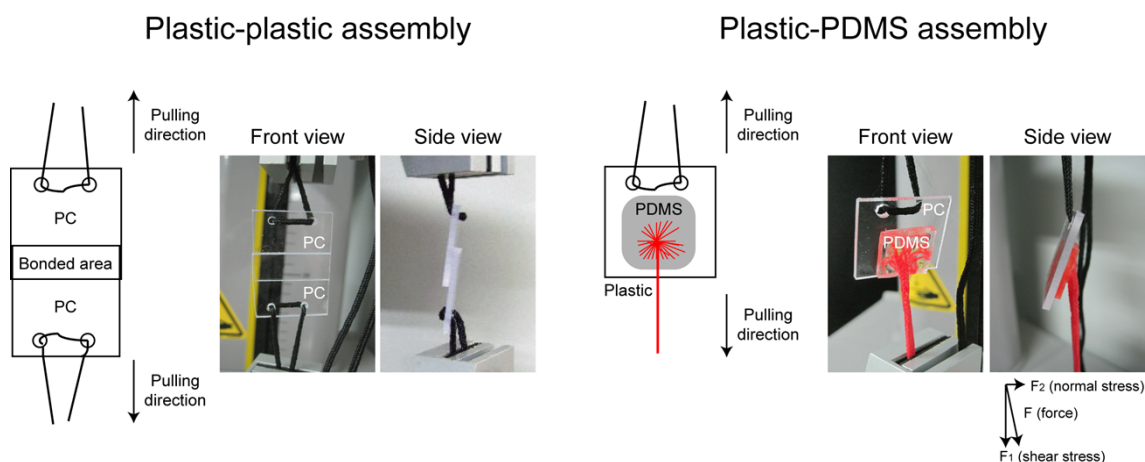


Fig. S1. Illustrations and photos showing experimental setups for bond strength measurement for plastic–plastic assembly (in this case, PC) and plastic (PC)–PDMS assembly.

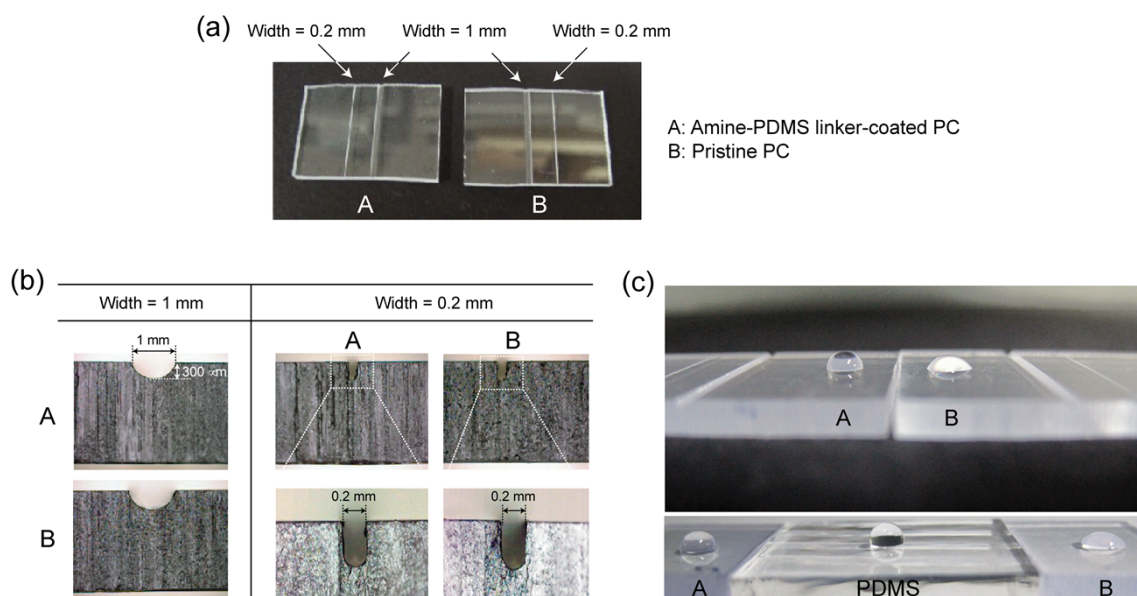


Fig. S2. (a) A photo showing pristine and amine-PDMS linker-coated PC engraved with two microchannels in parallel with 0.2 mm and 1 mm in width. (b) Optical microscope images showing the surface profiles before (B) and after (A) coating the PC with amine-PDMS linker. (c) Photos showing water contact angles measured on a pristine PC (B), amine-PDMS linker-coated PC (A), and PDMS.