

Supporting Information

Reinforcing Resins with Fumed Silica for DLP 3D Printing of Abrasion-resistant Parts

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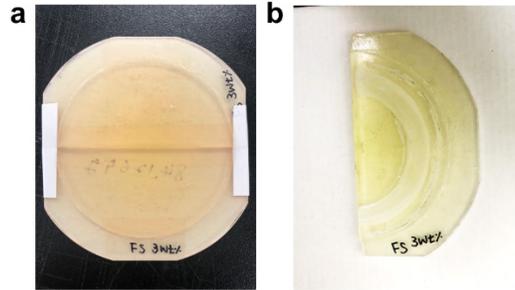


Figure S1. (a) A specimen with a shape of a disc for Taber abrasion test. Two printed semi-discs were attached to form a disc and leveled using a sandpaper. (b) A semi-disc after 10,000 cycles of Taber abrasion test. The half were separated for SEM imaging.

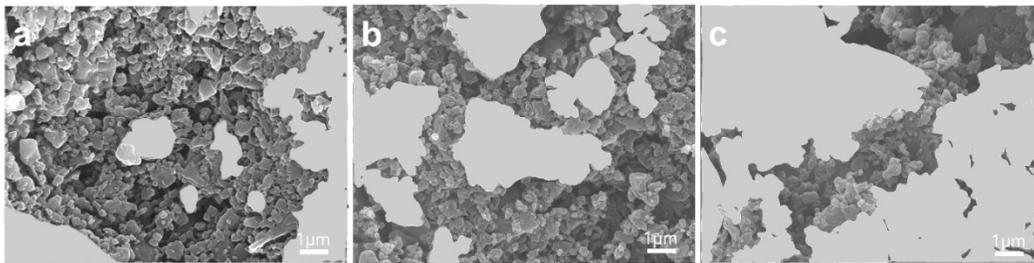


Figure S2. Smooth part of the surface SEM images of 3D printed (a) UTI, (b) UTIS1, and (c) UTIS3 is appeared as gray to calculate the area ratio of the smooth surface after Taber abrasion test.



Figure S3. Image of gears that were printed using UTIS1 (left) and UTIS2 (right).