

Mechanically Robust Hybrid POSS Thermoplastic Polyurethanes with Enhanced Surface Hydrophobicity

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Received: 24 January 2019; Accepted: 18 February 2019; Published: 20 February 2019

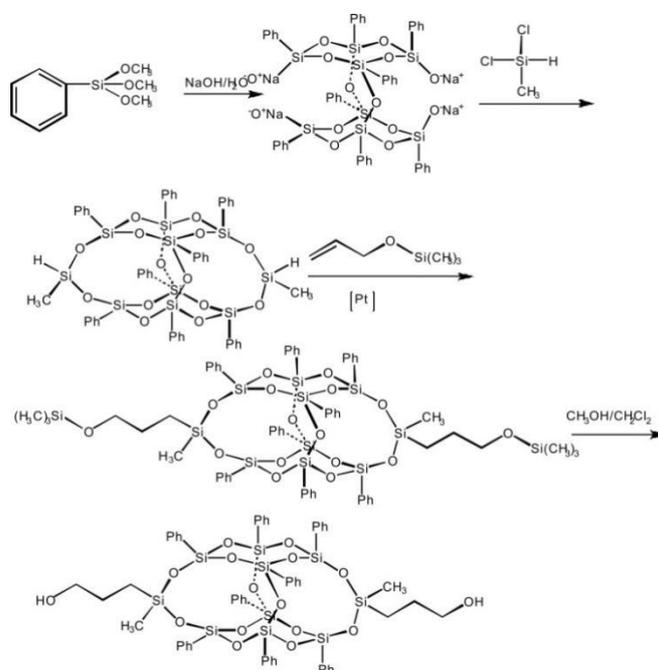


Figure S1. Schematic procedure of synthesizing B-POSS.

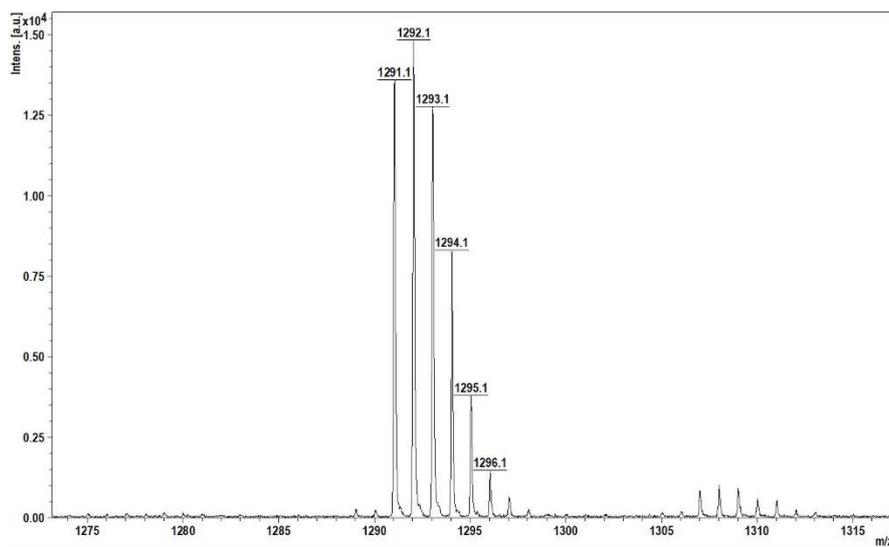


Figure S2. MALDI-TOF mass spectrum of B-POSS.

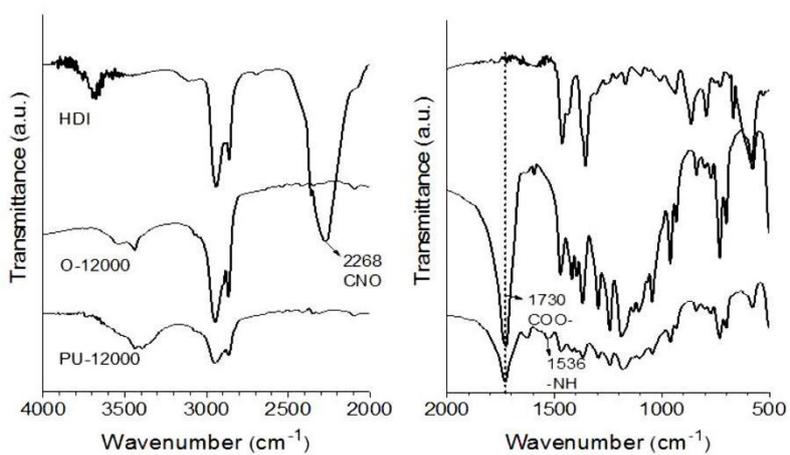


Figure S3. FTIR spectra of HDI, O-12000, PU-12000.

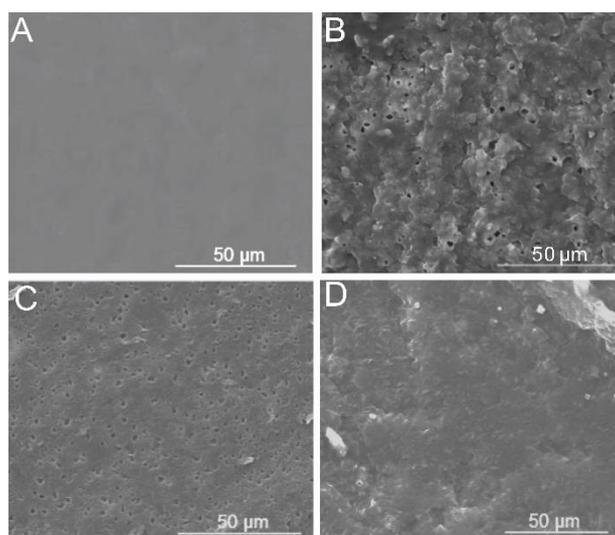


Figure S4. SEM images of neat PU (A); PU-10000 (B); PU-12000 (C); PU-14000 (D).

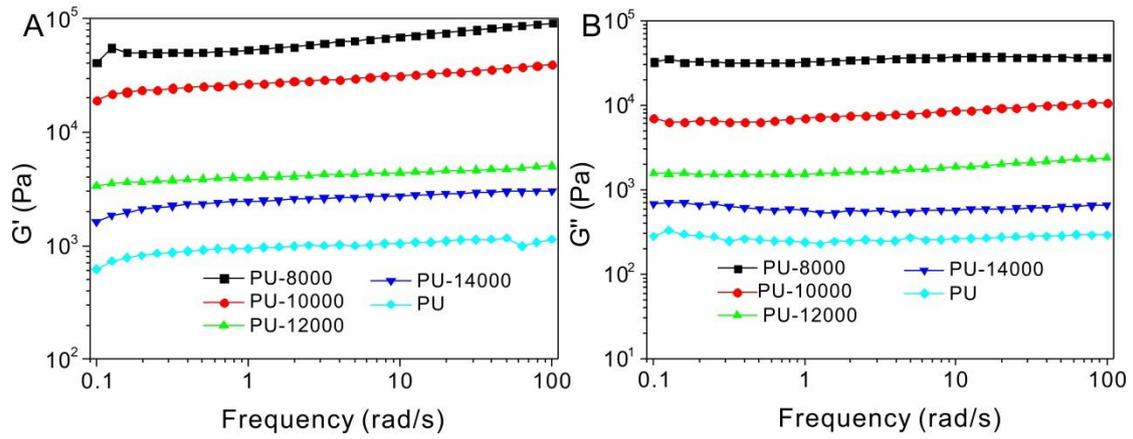


Figure S5. Dynamic frequency sweep of: G' (A) and G'' (B) for neat PU, PU-8000, PU-10000, PU-12000 and PU-14000 at 0.5% strain.

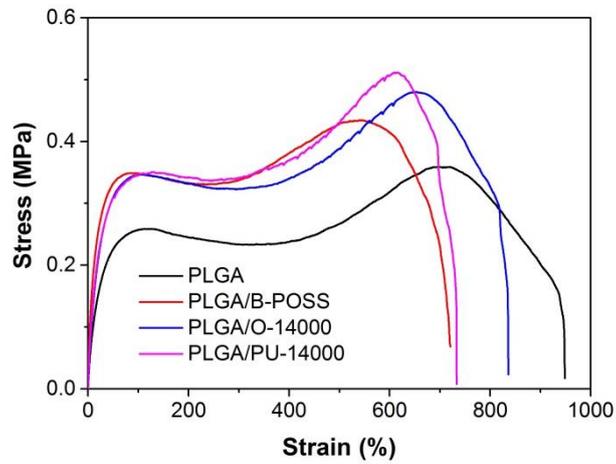


Figure S6. Stress-strain curves of PLGA, PLGA/B-POSS, PLGA/O-14000 and PLGA/PU-14000.