

Supporting information

Multifunctional, Marvelous Polyimide Aerogels as High-efficient and Recyclable Sorbent

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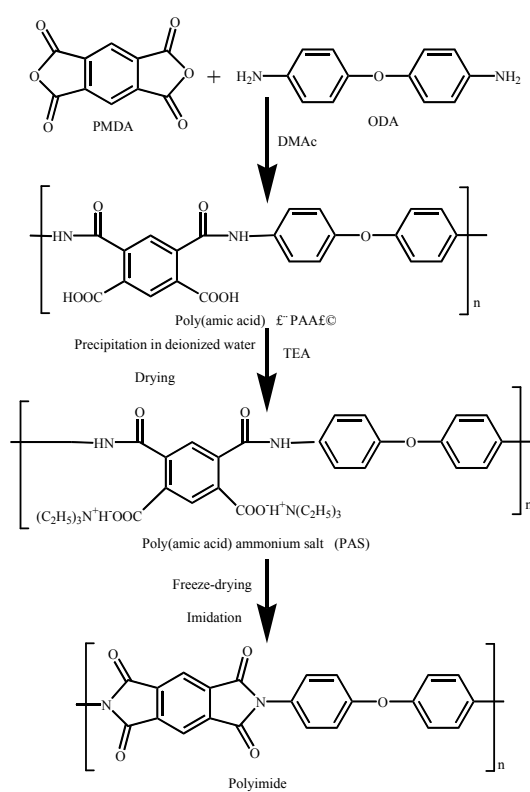


Figure S1. Reaction Scheme of PI aerogel.

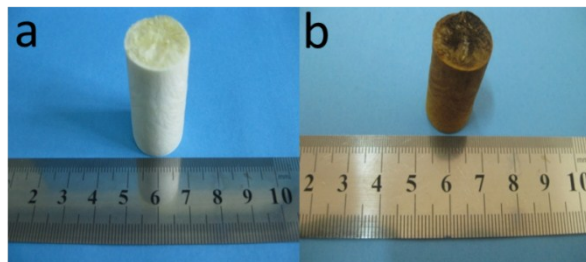


Figure S2. Digital photographs of a PI aerogel before (a) and after (b) imidation.

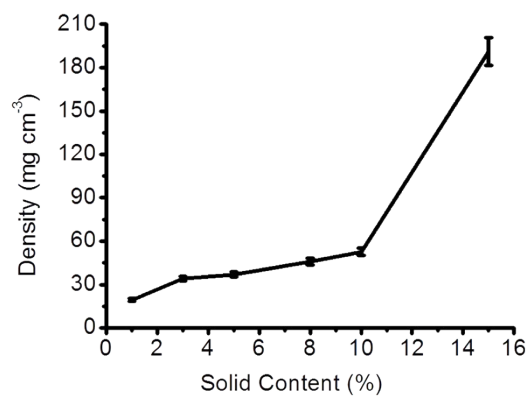


Figure S3. Densities of the PI aerogels as a function of solid content.

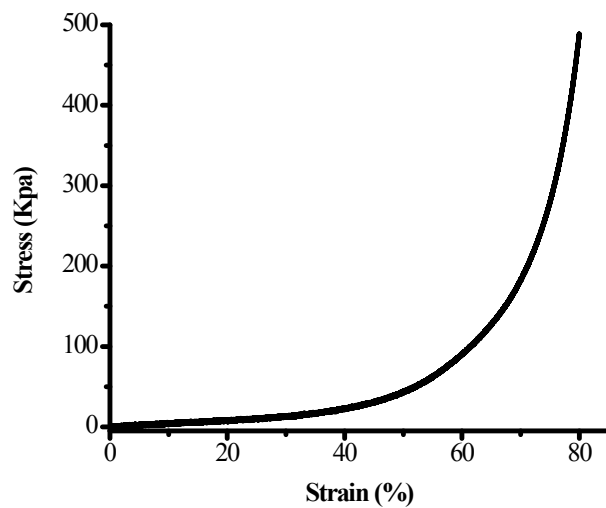


Figure S4. Compressive stress–strain curves of PI aerogel at a solid content of 8%.

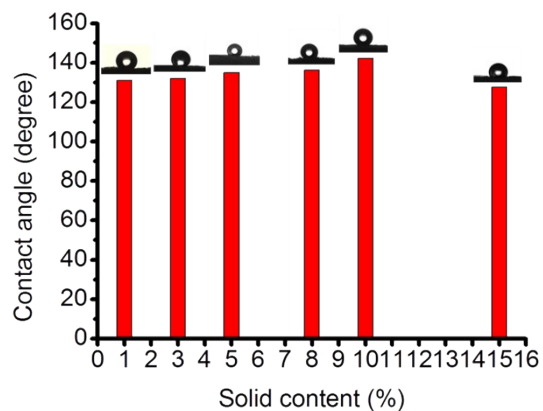


Figure S5. Water contact angles of the PI aerogels as a function of solid content.

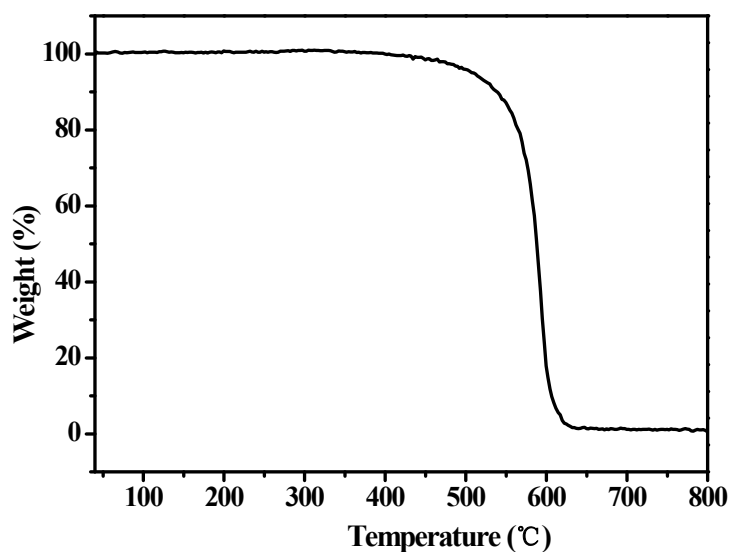


Figure S6. TGA curve of PI aerogel.

Supporting Information Movie 1: Compression of PI aerogel.

Supporting Information Movie 2: Selective absorption of PI aerogel for oil.

Supporting Information Movie 3: Repeated absorption of PI aerogel for oil by squeezing.

Supporting Information Movie 4: Absorption of PI aerogel for liquid nitrogen.