

Methyltrimethoxysilane Vapor Deposition Strategy for Preparing Superelastic and Hydrophobic Flexible Polyurethane Foams

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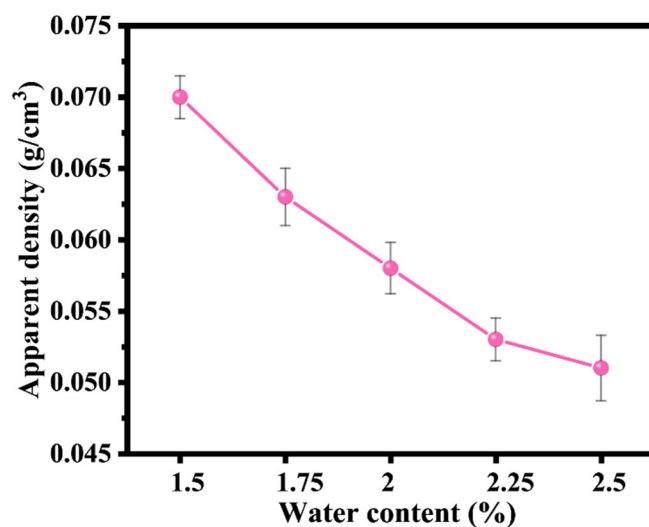


Figure S1. Apparent density of PUF1.5%, PUF1.75%, PUF2%, PUF2.25%, PUF2.5%.

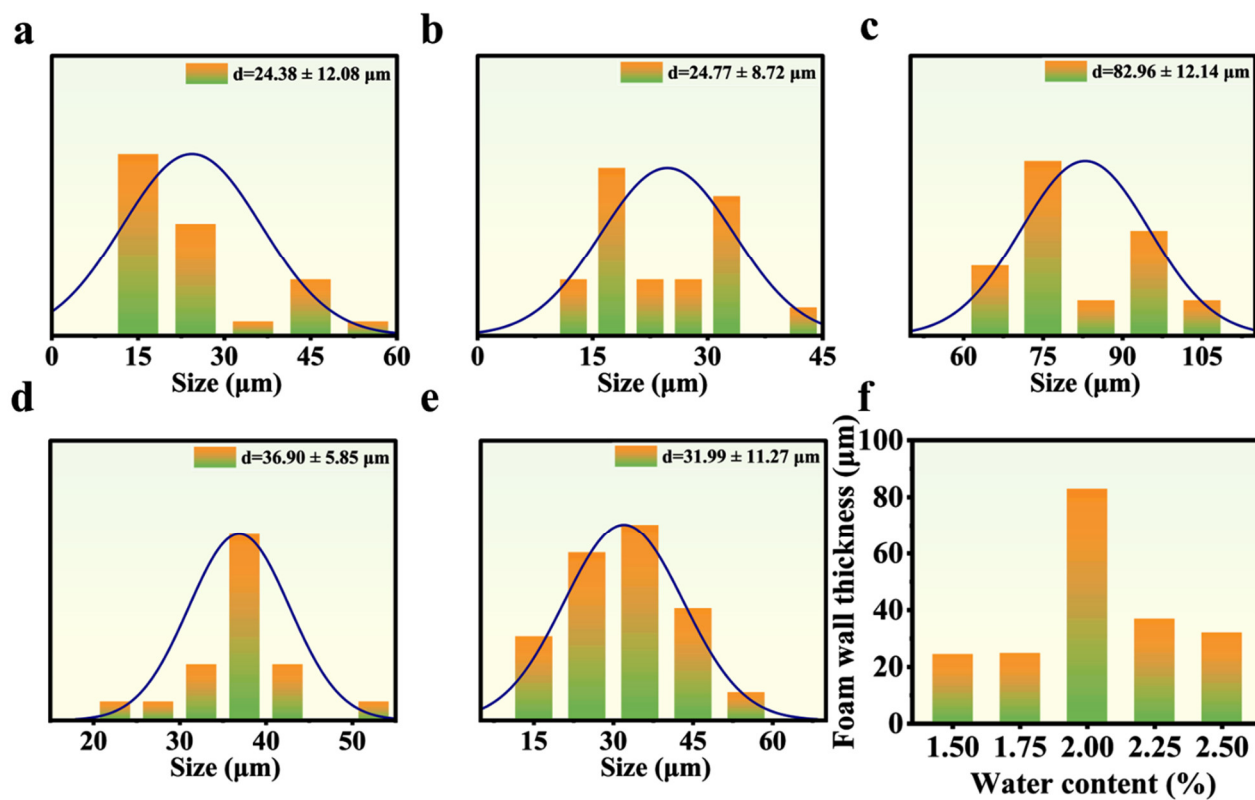


Figure S2. Foam wall thickness of (a) PUF1.5%, (b) PUF1.75%, (c) PUF2%, (d) PUF2.25%, (e) PUF2.5%, and (f) Summary of foam wall thickness of all PUFs.

Table S1. The mass and density of PUF and PUF @ MTMS.

Sample	W_0 (g)	Density- Before (g/cm^3)	W_{CVD} (g)	Density-After (g/cm^3)	Mass-gain (%)
I	2.1569	0.058	3.0749	0.0629	42.56
II	2.1819	0.056	3.1094	0.0615	42.60
III	2.5836	0.061	3.6651	0.0650	42.34

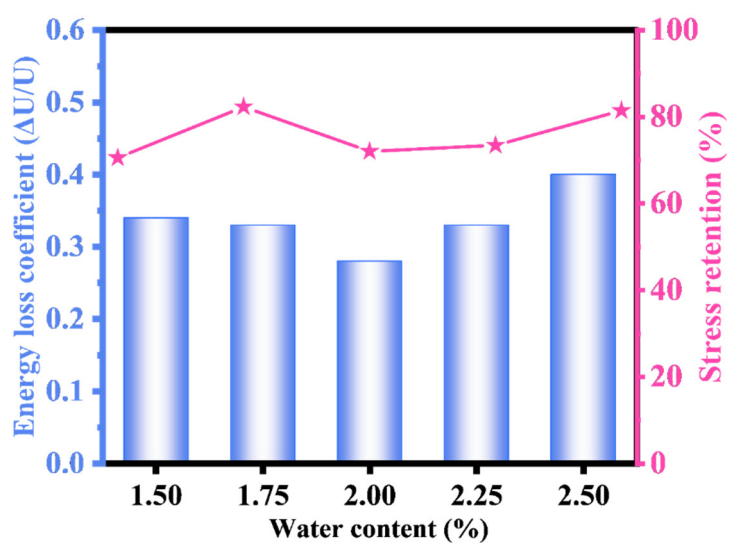


Figure S3. The energy loss coefficient and stress retention rate after 500 cycles of tests at a constant strain of 90%.

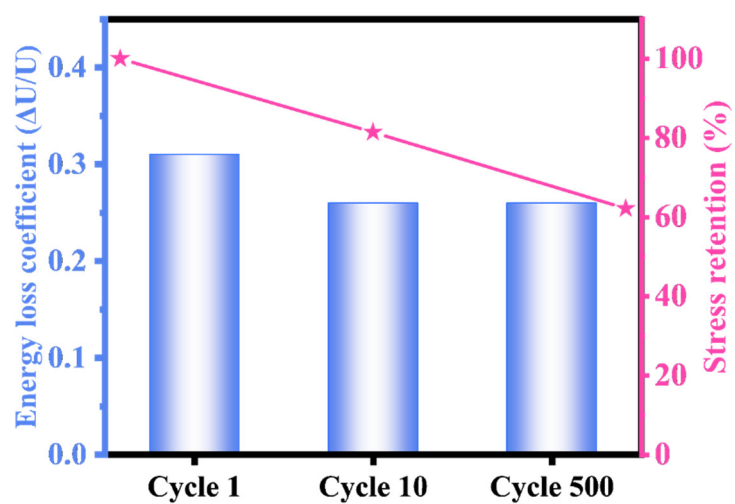


Figure S4. The energy loss coefficient and stress retention rate of PUF @ MTMS were tested after 1,10 and 500 cycles at 90 % constant strain.

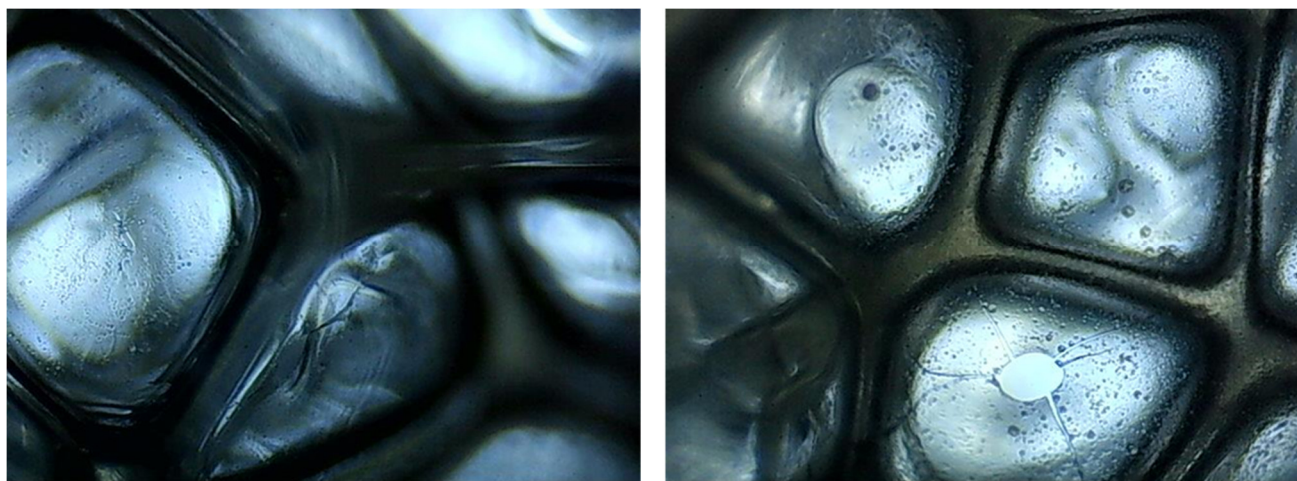


Figure S5. Optical microscope images of PUF and PUF @ MTMS.