

Supporting Information

**Preparation of High-strength and Lightweight Microcellular Polysulfone Foam
with Segregated CNTs Network for Excellent Electromagnetic Shielding**

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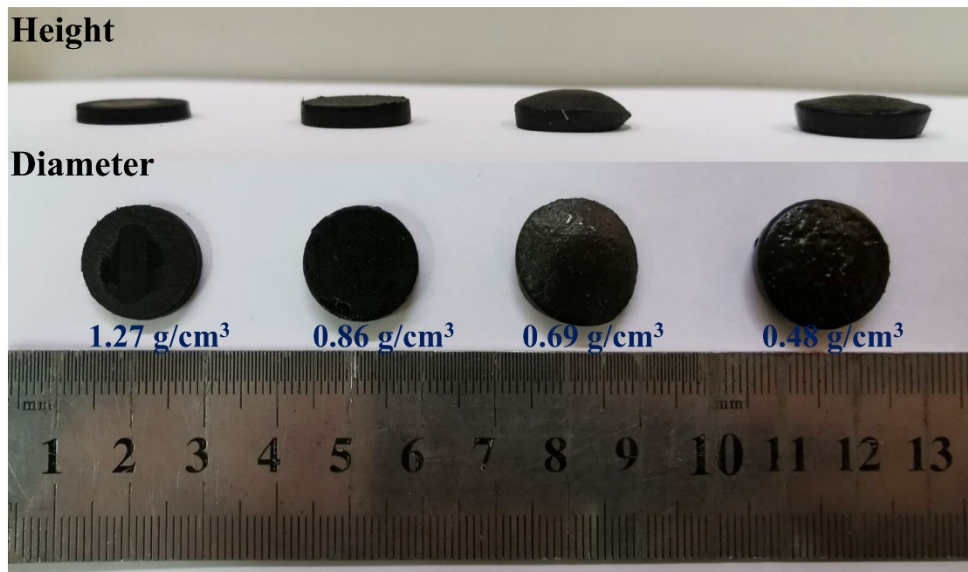


Fig. S1 Digital photo showing the samples before and after foaming.

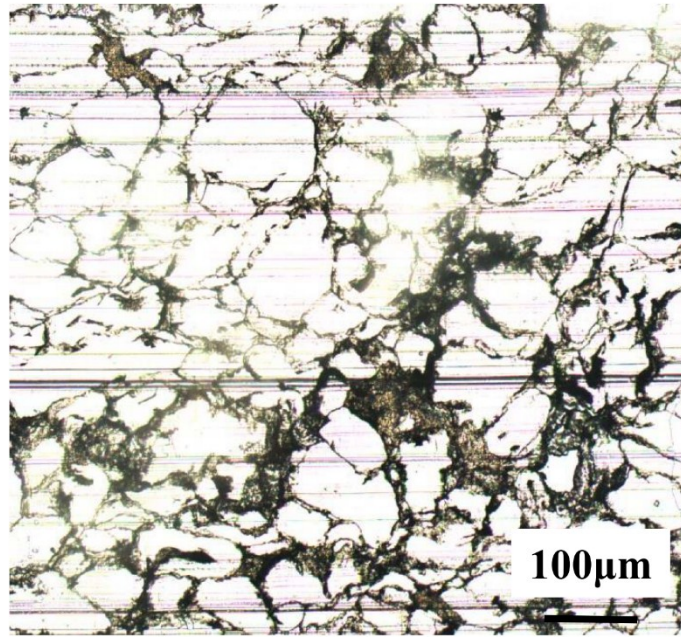


Fig. S2 OM image of the s-PC-0.5 slice.

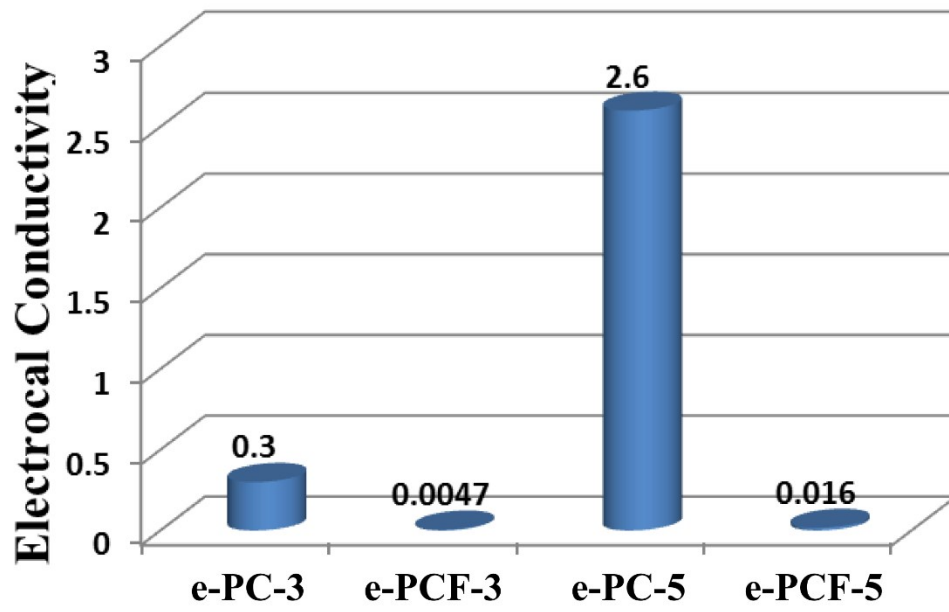


Fig. S3 Electrical conductivity versus CNTs loading for the PSU/CNTs composites and their foams with randomly distributed CNTs.

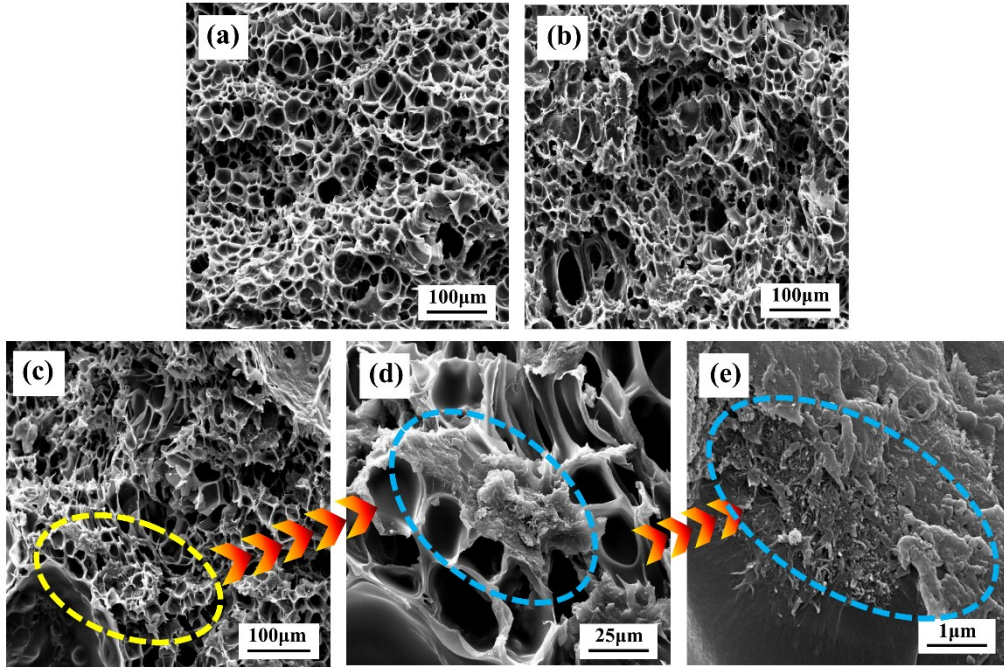


Fig. S4 SEM images of s-PCF with density of 0.48 g/cm^3 (a) s-PCF-1; (b) s-PCF-3; (c) s-PCF-5; (d) magnified SEM image of (c); (e) magnified SEM image of (d).

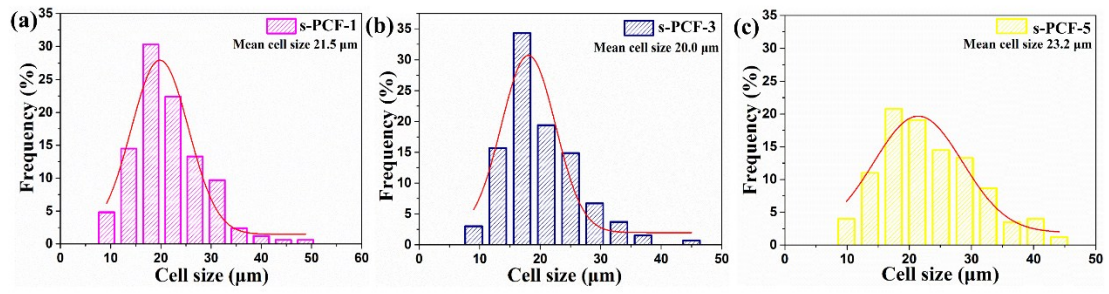


Fig. S5 Cell size distribution of PSU/CNTs composite foams prepared at the same condition (density of 0.48 g/cm³): (a) s-PCF-1; (b) s-PCF-3; (c) s-PCF-5.