Supporting Information

Poly(vinylidene fluoride) foams: a promising low-κ dielectric and heat insulating material

Biao Zhao, Chongxiang Zhao, Chongda Wang, Chul B. Park*

Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, 5 King’s College Road, Toronto M5S 3G8, Canada

* Corresponding Author: Chul B. Park, park@mie.utoronto.ca, Tel: +1- 416-978-3053, Fax: +1- 416-978-7753.
**Fig. S1** schematic illustration of home-made batching foaming instrument.

**Fig. S2** The relative quantity of $\beta$ phase ($F(\beta)$) in PVDF foams derived from XRD.
Fig. S3 Dielectric loss tangent of PVDF foams with various void fractions at the frequency of 1,000 Hz.