Supporting Information

Poly(vinylidene fluoride) foams: a promising low-k 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 β phase (F(β)) 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.