Supporting Information for

"Post-polymerization of Functional Organosiloxanes: An Efficient Strategy for Preparation of Low-*k* Material with Enhanced Thermostability and Mechanical Properties"

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Figure S1. The gel permeation chromatography (GPC) curve of **Si-TFVE** with polystyrene as standard. The sharp peaks (**B** and **C**) are contributed to the cyclic products. According to the curve, the ratio between the liner product and the cyclic products is estimated as 93:7 (e. g., A/(B+C) = 93:7)



Figure S2. MALDI-TOF-MS Spectrometry of Si-TFVE.



Figure S3 ¹H NMR spectrum of precursor **3** (400 MHz, CDCl₃).



Figure S4 An expanded ¹⁹F NMR spectrum of precursor **3** (376 MHz, $CDCl_3$).



Figure S5 13 C NMR spectrum of precursor **3** (100 MHz, CDCl₃).



Figure S6 1 H NMR spectrum of Si-TFVE (400 MHz, CDCl₃)



Figure S7 ¹⁹F NMR spectrum of **Si-TFVE** (376 MHz, CDCl₃)



Figure S8 ¹³C NMR spectrum of **Si-TFVE** (100 MHz, CDCl₃).