

Supporting information

An Extremely Efficient Silylated Benzenesulfonate Flame Retardant for Polycarbonate

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Characterization

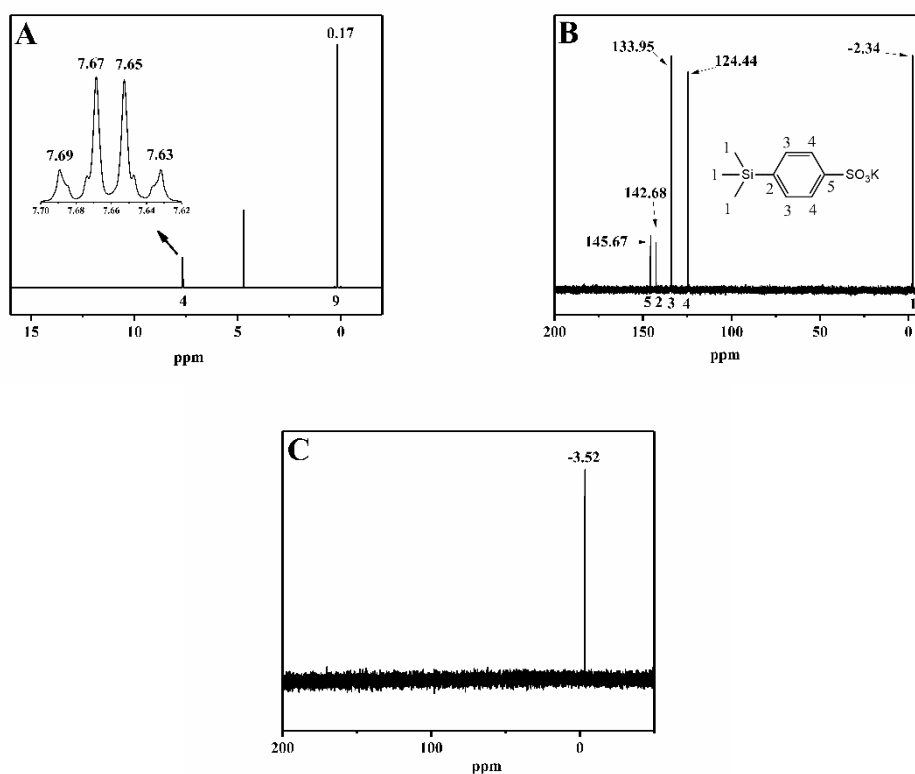


Figure S1. NMR spectrum of KTSS: (A) ¹H NMR; (B) ¹³C NMR; (C) ²⁹Si NMR.

The NMR spectrum of KTSS is shown in Figure S1.

Figure S1A: ¹H NMR (D₂O): δ = 7.64, 7.68 (ABq, J_{AB} = 8 Hz, 4H, Ar-H), 0.17 (s, CH₃-Si, 9H) ppm.

Figure S1B: ¹³C NMR (D₂O): δ = -2.34 (Si-CH₃), 124.44 (C=C-SO₃K), 133.95 (C=C-Si), 142.68 (C-SiMe₃), 145.67 (C-SO₃K) ppm;

Figure S1C: ²⁹Si NMR (D₂O): δ = -3.52 ppm.