

Supplementary Information

Anomalous Macromolecular Assembly of Partially Fluorinated Polyhedral Oligomeric Silsesquioxanes

Sharon C. Kettwich,^a Scott N. Pierson,^a Andrew J. Peloquin,^a
Joseph M. Mabry^b and Scott T. Iacono^{a,*}

^aDepartment of Chemistry, United States Air Force Academy,
2355 Fairchild Drive, USAF Academy, CO 80840, USA

^b Air Force Research Laboratory, Propulsion Directorate,
10 E. Saturn Boulevard, Edwards Air Force Base, CA 93524, USA

*Correspondence e-mail: scott.iacono@usafa.edu

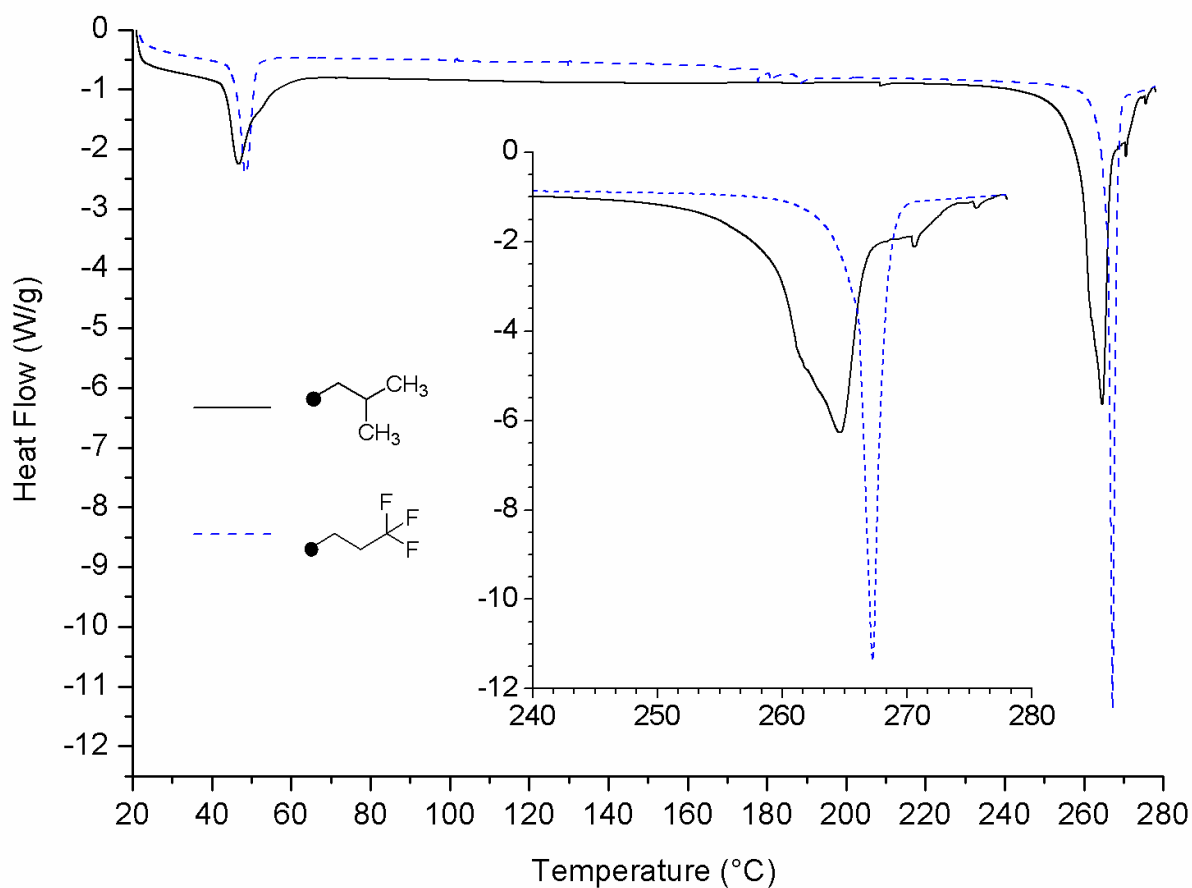


Fig S1. DSC of octaisopropyl POSS and F-POSS compound **2** at a scan rate of 5 °C/min.

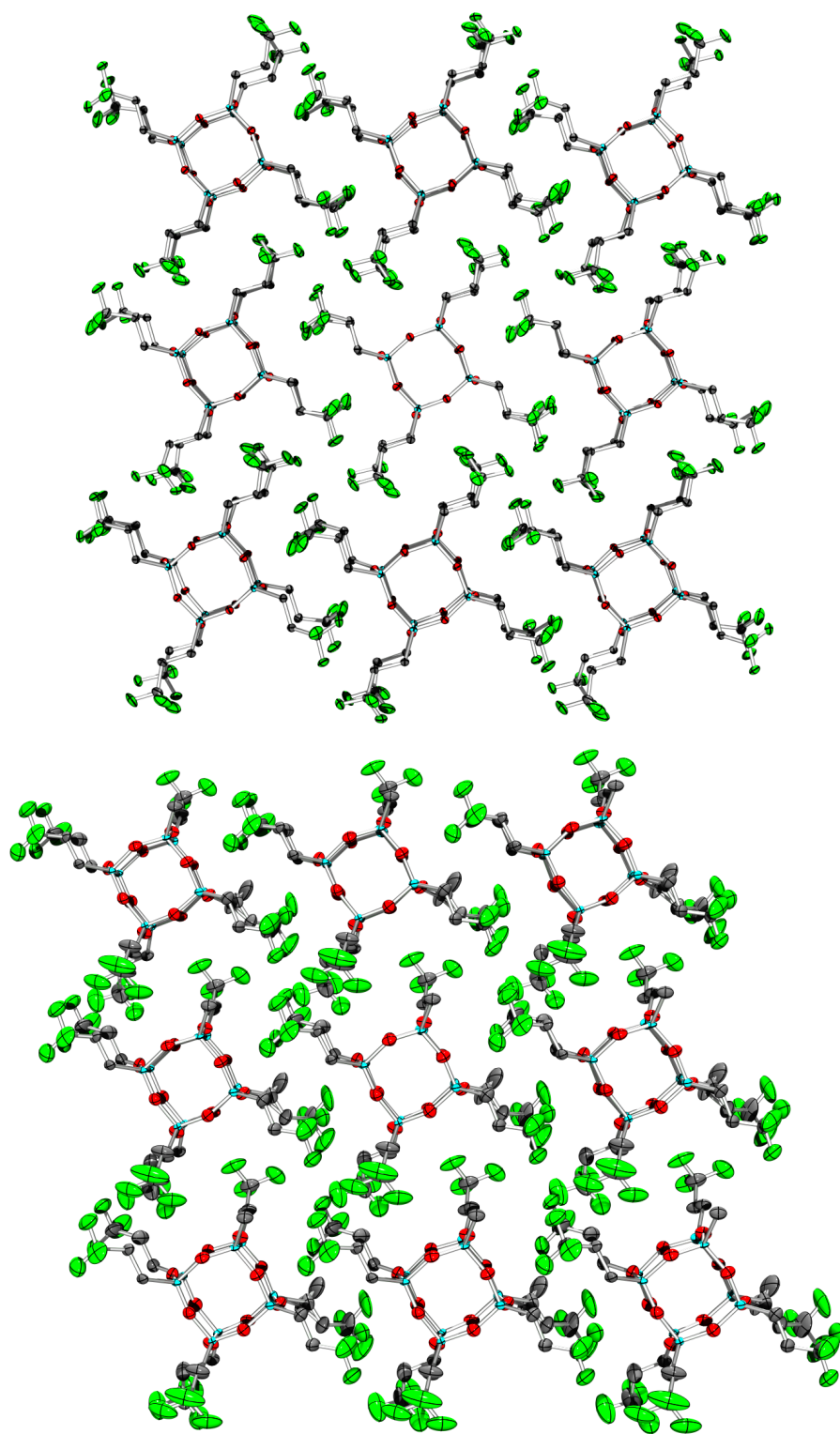


Fig S2. Packing diagram of F-POSS compounds **2** (top) and **8** (bottom) along the c-axis. Ellipsoids are shown at 30% probability. Hydrogen atoms and THF molecule are omitted for clarity.

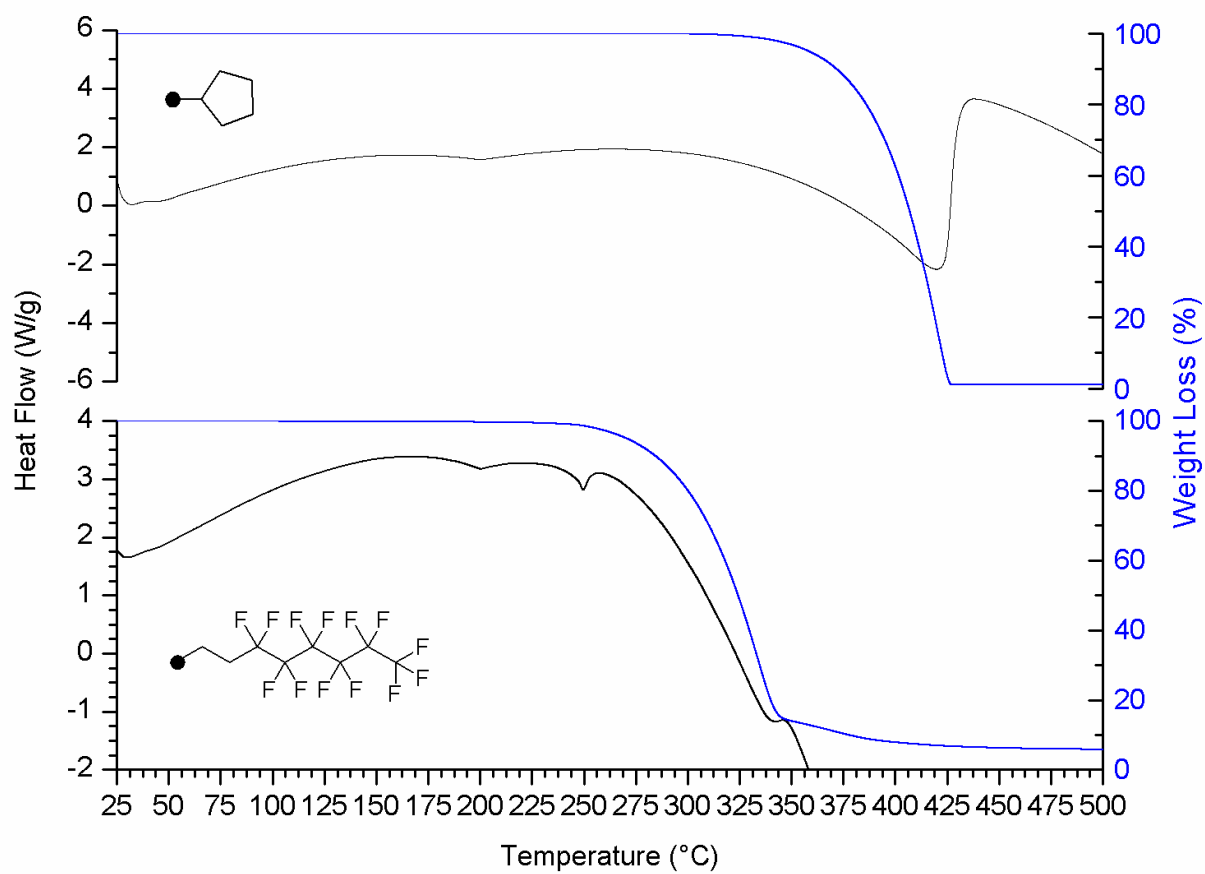


Fig S3. Simultaneous TGA/DSC comparison of octacycloptyl POSS with compound **12**.