

**'Phoenix Polymers': fire induced nanohardness in fibril-forming aromatic cyanate esters**

**Lyndsey Mooring, Scott Thompson, Stephen A Hall, Silvia Pani, Peter Ziopoulos, Martin Swan, Corinne Stone, Brendan J. Howlin, and Ian Hamerton\***

**Supplementary Data**

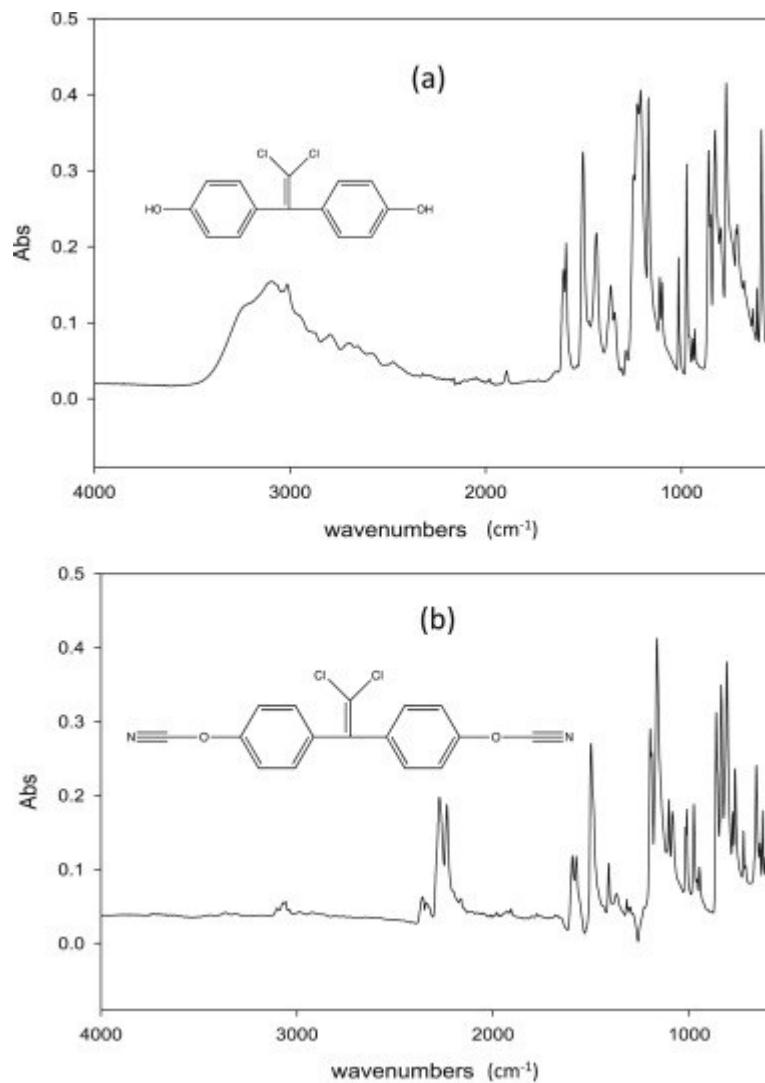


Figure S1. ATR spectra of (a) 1,1-dichloro-2,2-(4-hydroxyphenyl)ethylidene and (b) 1,1-dichloro-2,2-(4-cyanatophenyl)ethylidene (**2**).

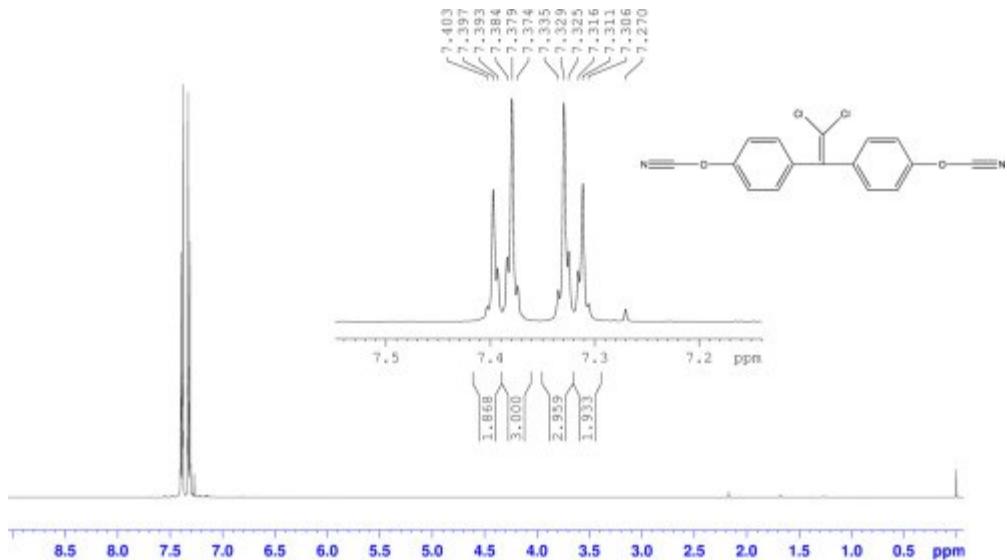


Figure S2.  $^{13}\text{C}$  NMR spectrum of 1,1-dichloro-2,2-(4-cyanatophenyl)ethylidene (2).

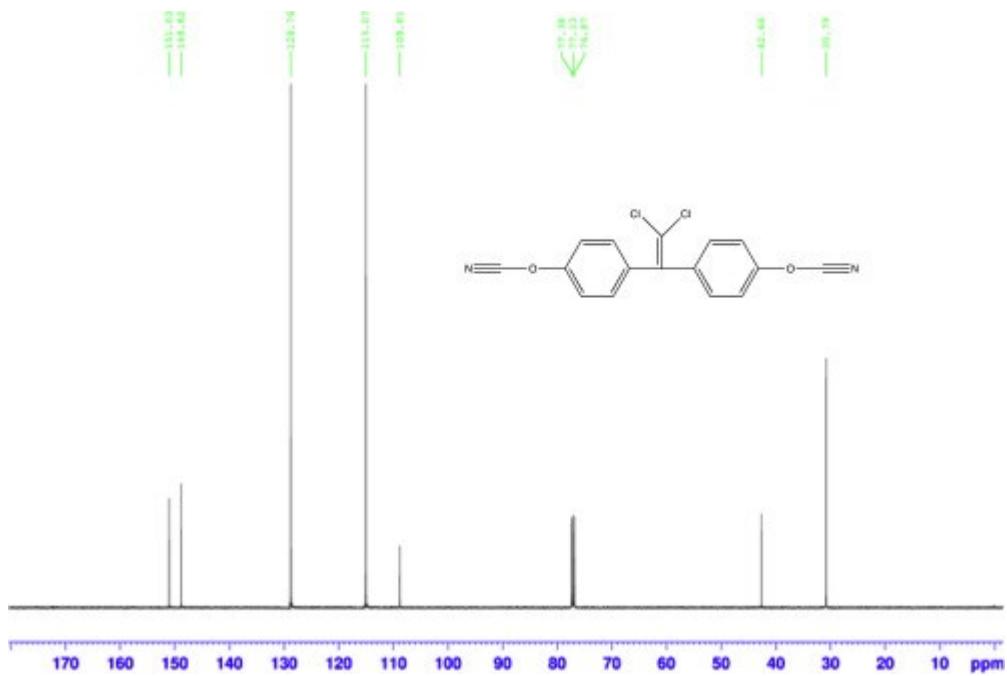


Figure S3.  $^1\text{H}$  NMR spectrum of 1,1-dichloro-2,2-(4-cyanatophenyl)ethylidene (2).