

# **Polycyanurate Thermoset Networks with High Thermal, Mechanical, and Hydrolytic Stability Based on Liquid Multifunctional Cyanate Ester Monomers with Bisphenol A and AF Units**

Dedicated to Professor H. W. Spiess on the occasion of his 65<sup>th</sup> birthday

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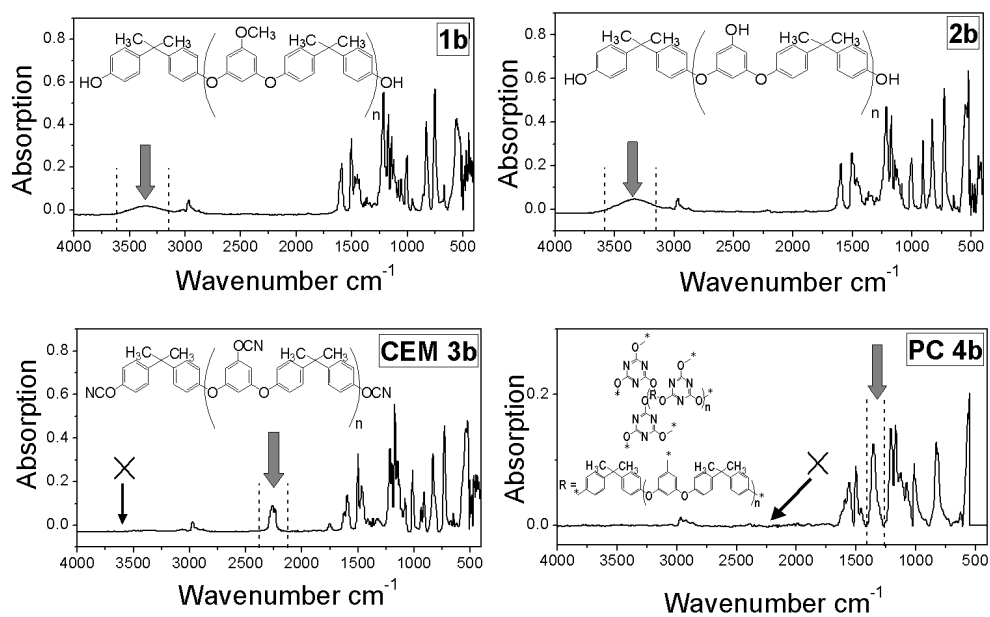
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*Figure S1.* FT-IR spectra of **1b** to **4b**. With the conversion of **2b** to **3b** the  $\text{--OH}$  stretching band at  $3338\text{ cm}^{-1}$  disappears and the  $\text{--OCN}$  bands appear at  $2262\text{--}2235\text{ cm}^{-1}$ . During the thermal curing of **3b** to **4b** the characteristic stretching band for the triazine ring appears at around  $1357\text{ cm}^{-1}$  while the  $\text{--OCN}$  bands vanish.

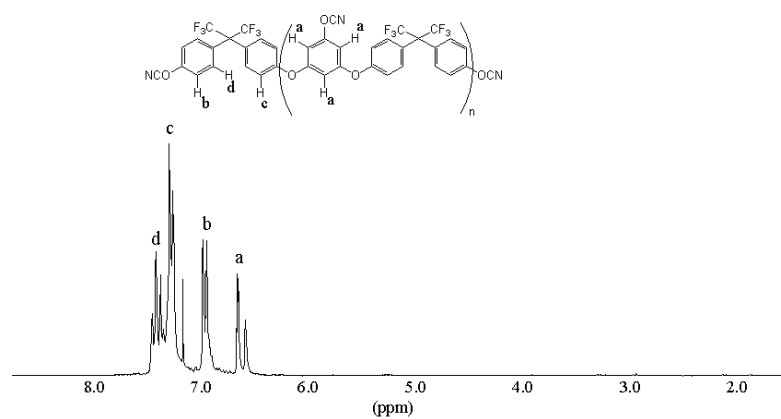


Figure S2a.  $^1\text{H}$  NMR ( $\text{CDCl}_3$ ) spectrum of CEM 3a.

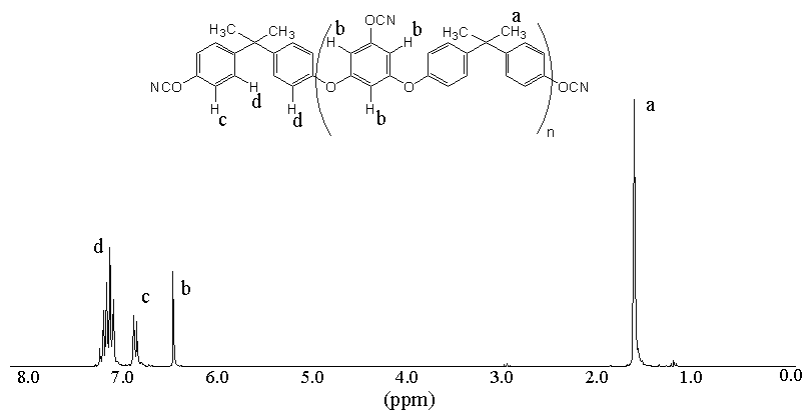
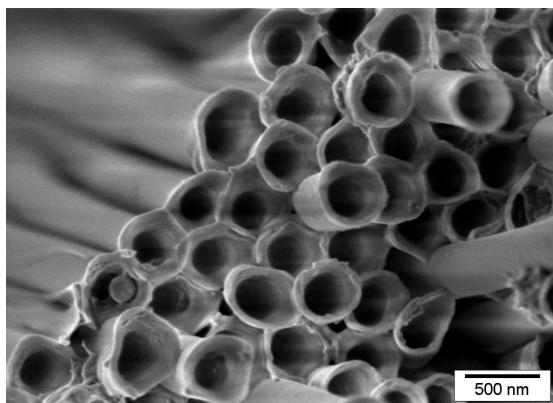
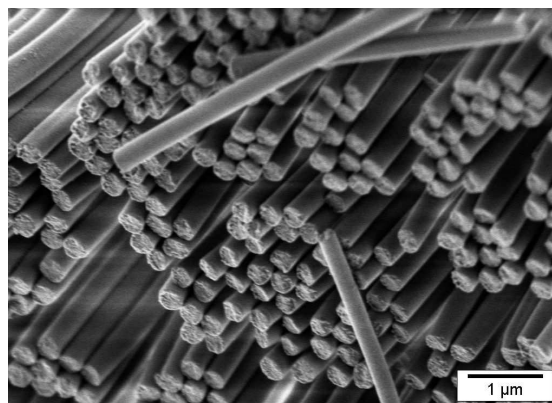


Figure S2b.  $^1\text{H}$  NMR ( $\text{CDCl}_3$ ) spectrum of CEM 3b.

(a)



(b)



*Figure S3.* SEM images of PC **4a** derived from CEM **3a** processed during template filling at (a) 80 °C and (b) 120 °C.