

Supporting information for

**Synthesis and Properties of Polyimides
Containing Hexaisobutyl-Substituted T₈ Cages
in Their Main Chains**

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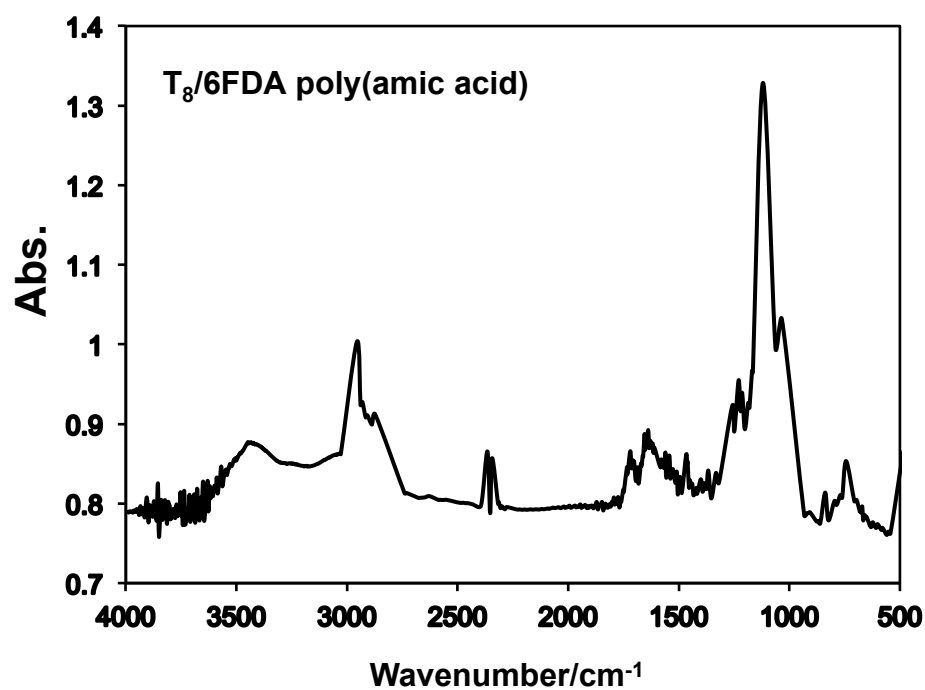
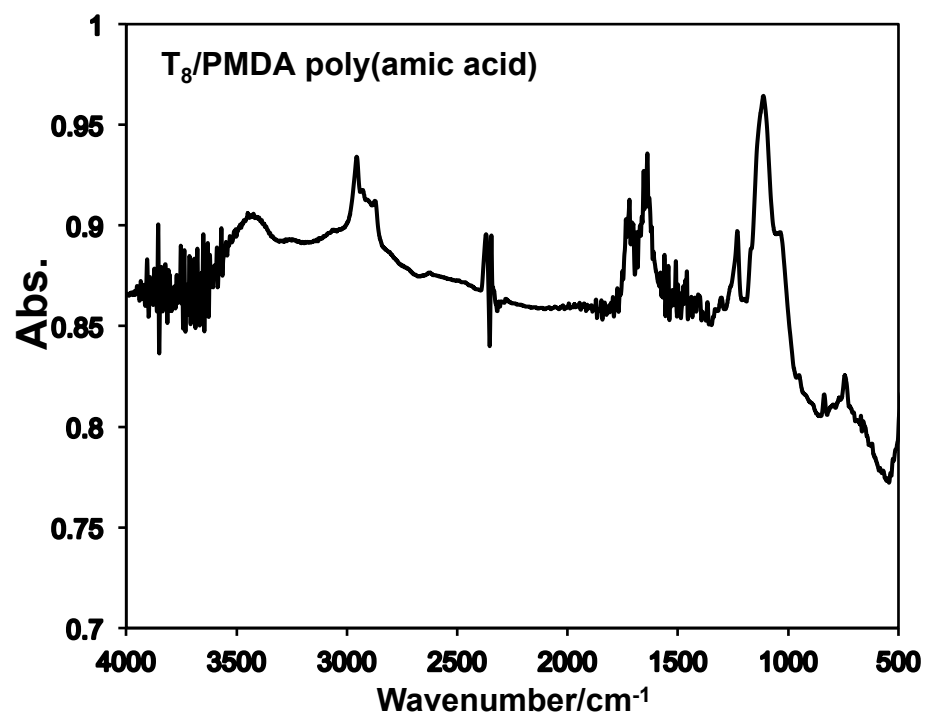


Figure S1 FT-IR spectra of T₈/PMDA poly(amic acid) (up) and T₈/6FDA poly(amic acid) (down).

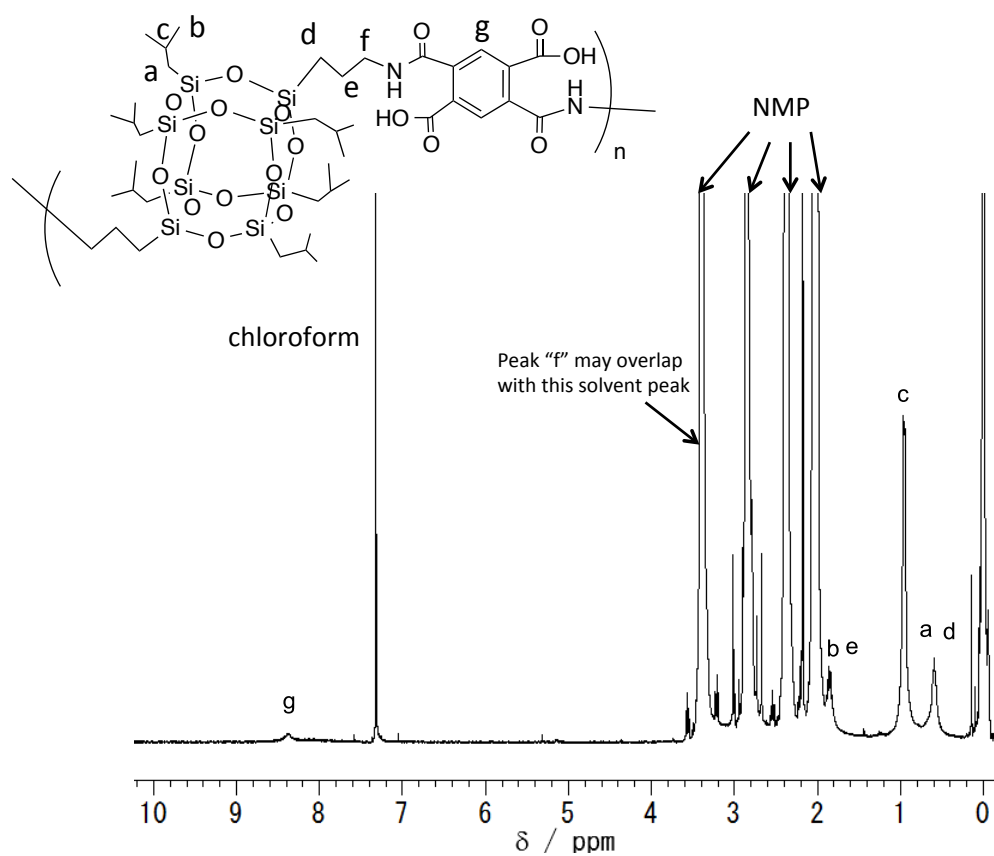


Figure S2 ^1H -NMR spectrum of T_8/PMDA poly(amic acid) in CDCl_3 .

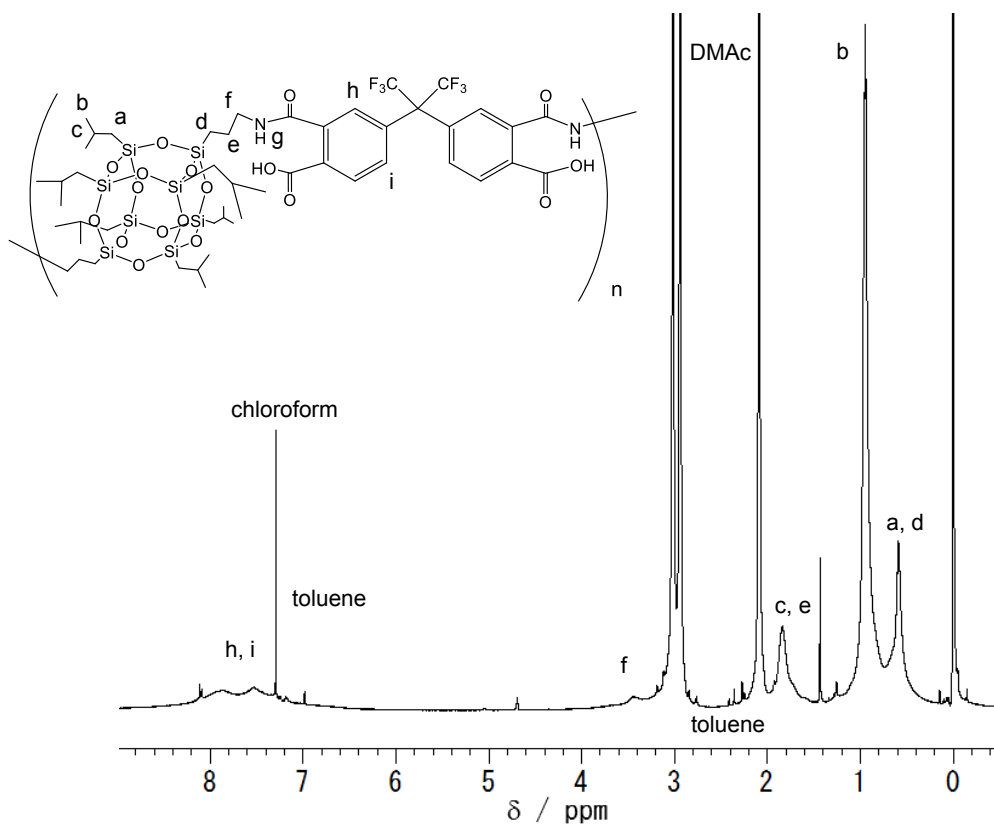


Figure S3 ^1H -NMR spectrum of $\text{T}_8/6\text{FDA}$ poly(amic acid) in CDCl_3 .

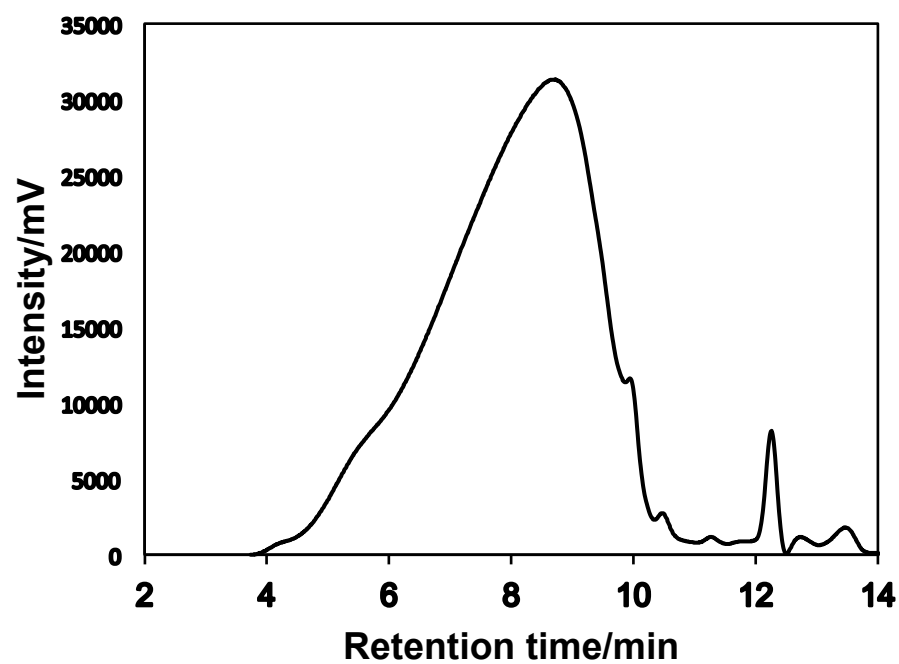


Figure S4. GPC analysis of the soluble part of T_g/6FDA poly(amic acid) using a Shimadzu LC-6AD (Shimadzu, Kyoto, Japan) with a Shodex KF-803 column using THF as an eluent.