Supplementary Material

Polyamide-imide/polyimide alloy with enhanced energy density and efficiency

Man Liu a†, Yiheng Song a†, Hongmei Qin a, Ziwei Li a, Yuheng Fu a, Chuanxi Xiong a,b,*

† These authors contributed equally to this work.

* Corresponding Author: cxiong@whut.edu.cn (Chuanxi Xiong), liufeihua@hit.edu.cn (Feihua Liu)

a School of Materials Science and Engineering, State Key Laboratory of Silicate Materials for Architectures, Wuhan University of Technology, Wuhan 430070, China

b Hubei Engineering Research Center for Green & Precision Material Forming, Wuhan University of Technology, Wuhan 430070, China

c Sauvage Laboratory for Smart Materials, School of Materials Science and Engineering, Harbin Institute of Technology (Shenzhen), Shenzhen 518055, China
Fig. S1. UV spectrum of PI, PAI and PAI-PI alloys.
Fig. S2. GPC curves of PI and PAI.
Fig. S3. X-ray diffraction (XRD) spectra of PI, PAI and PAI-PI alloys.
Fig. S4. The density of PAI-PI alloy with different PAI contents.
Fig. S5. Molecular structure modeling of PAI/PI alloys with different PAI contents by Materials Studio.