

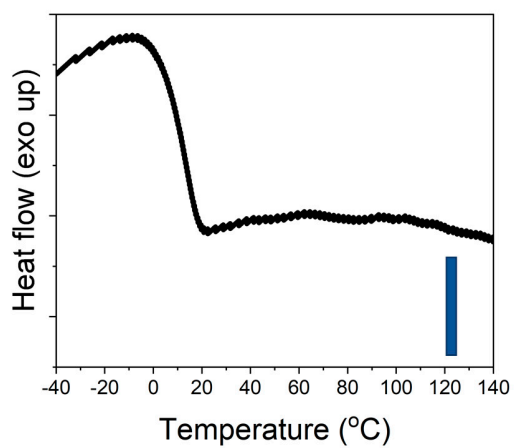
## **Supporting Information**

### **Relaxation and amorphous structure of polymers containing rigid fumarate segments**

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(a) P(DEF-*co*-EA)<sub>80/20</sub>



(b) P(DEF-*co*-EA)<sub>60/40</sub>

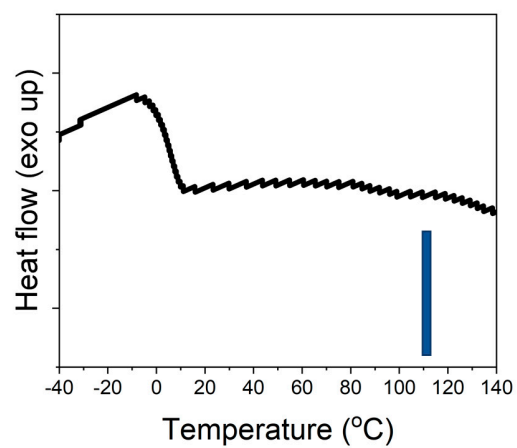


Figure S1. DSC profiles of P(DEF-*co*-EA)<sub>80/20</sub> and P(DEF-*co*-EA)<sub>30/70</sub>. The scale bar corresponds to 0.02 W/g. The other DSC data of copolymers with different fumarate segments are provided in the supporting information.

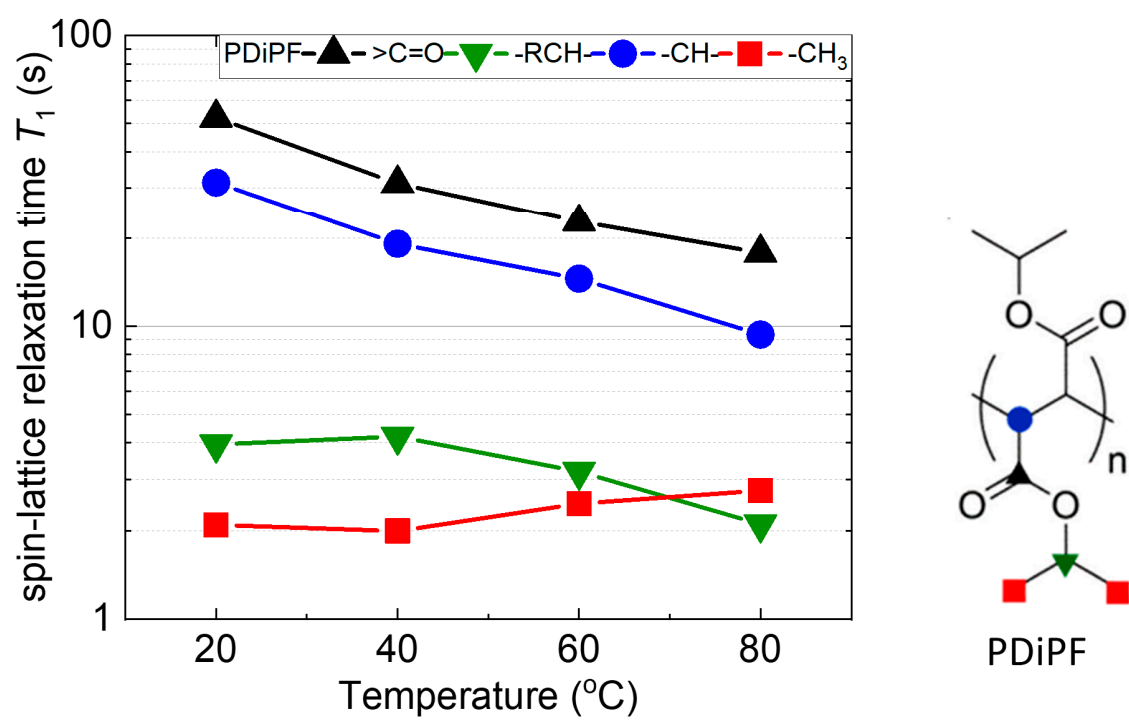


Figure S2. Temperature dependence of spin-lattice relaxation time  $T_1$  for PDiPF.