

Supporting information for

**Interplay between crystallization and Diels-Alder reaction in
biobased multiblock copolyesters possessing dynamic covalent bond**

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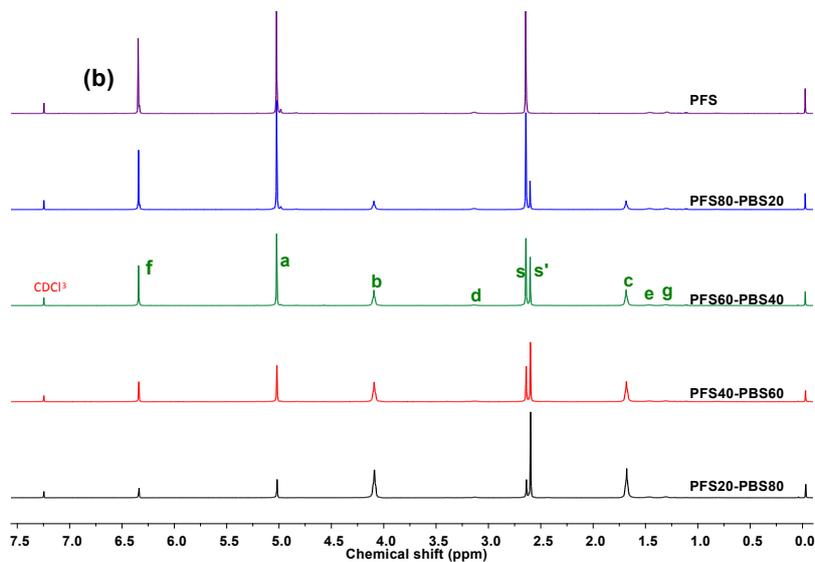
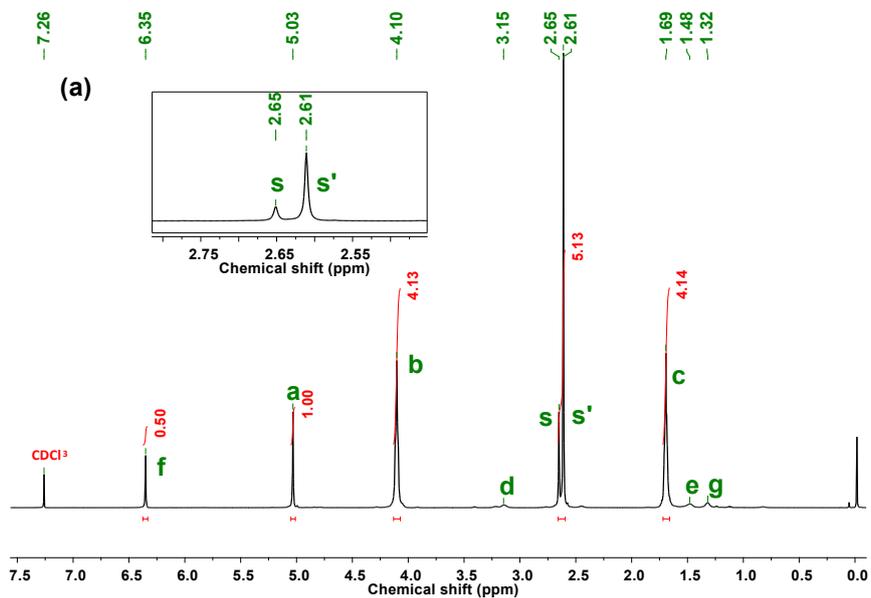
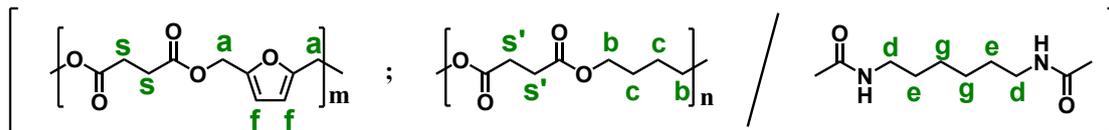


Fig. S1 The ^1H NMR spectra of (a) representative PFS20-PBS80 and (b) PFS-PBS multiblock copolyesters.

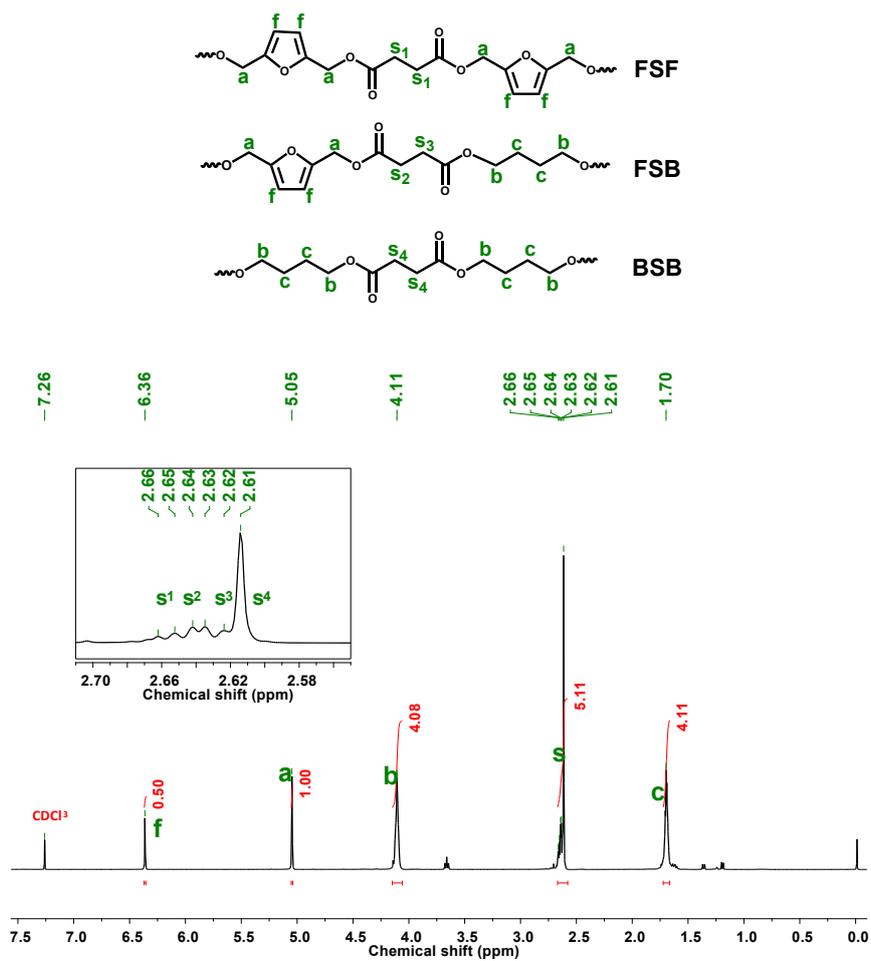
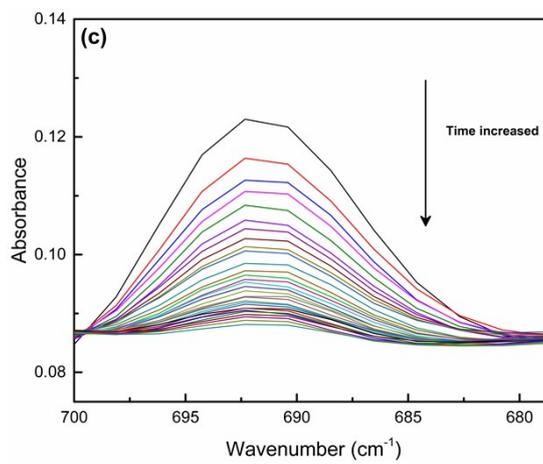
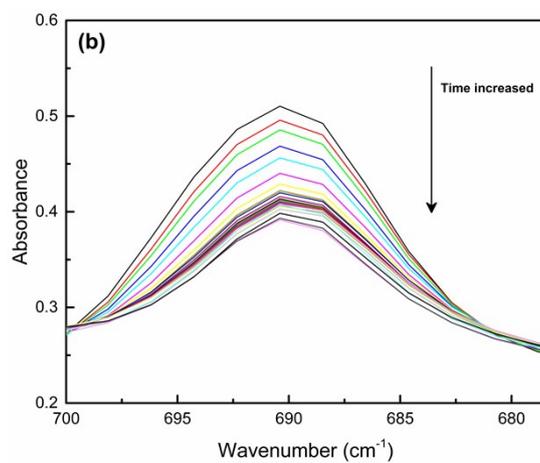
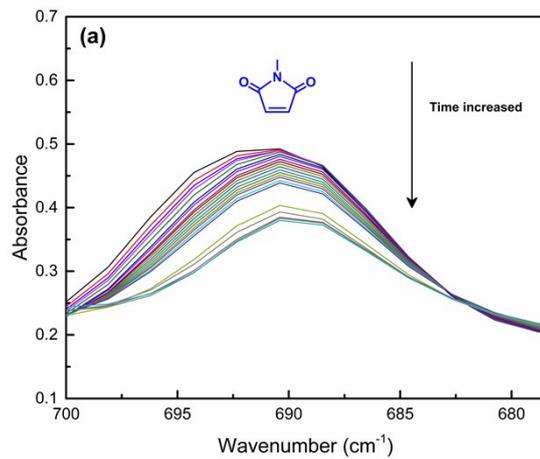


Fig. S2 The ¹H NMR spectrum of PFBS20 random copolyester.



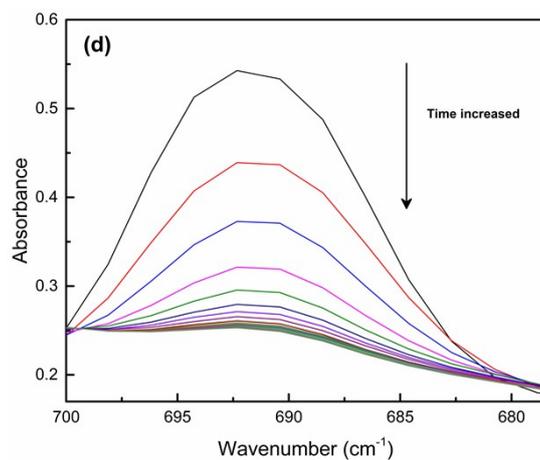


Fig. S3. *In situ* FTIR spectra of PFS/BMI-4:1 in imide peak region during DA reaction at (a) 25 °C, (b) 40 °C, (c) 75 °C and (c) 90 °C.

Table S1 The molecular weights of PFS-PBS copolyesters

Sample	$M_n \times 10^{-4}(\text{g/mol})$	$M_w \times 10^{-4}(\text{g/mol})$	PDI
PFS20-PBS80	5.53	12.35	2.23
PFS40-PBS60	4.16	7.54	1.81
PFS60-PBS40	4.94	14.02	2.83
PFS80-PBS20	4.36	7.30	1.68
PFS	4.82	9.43	1.95