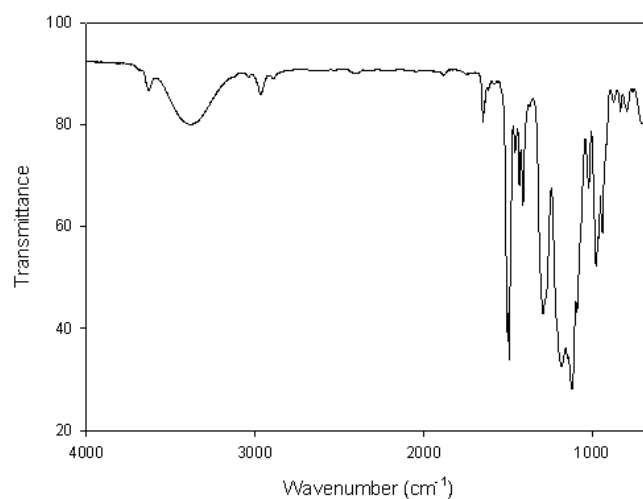


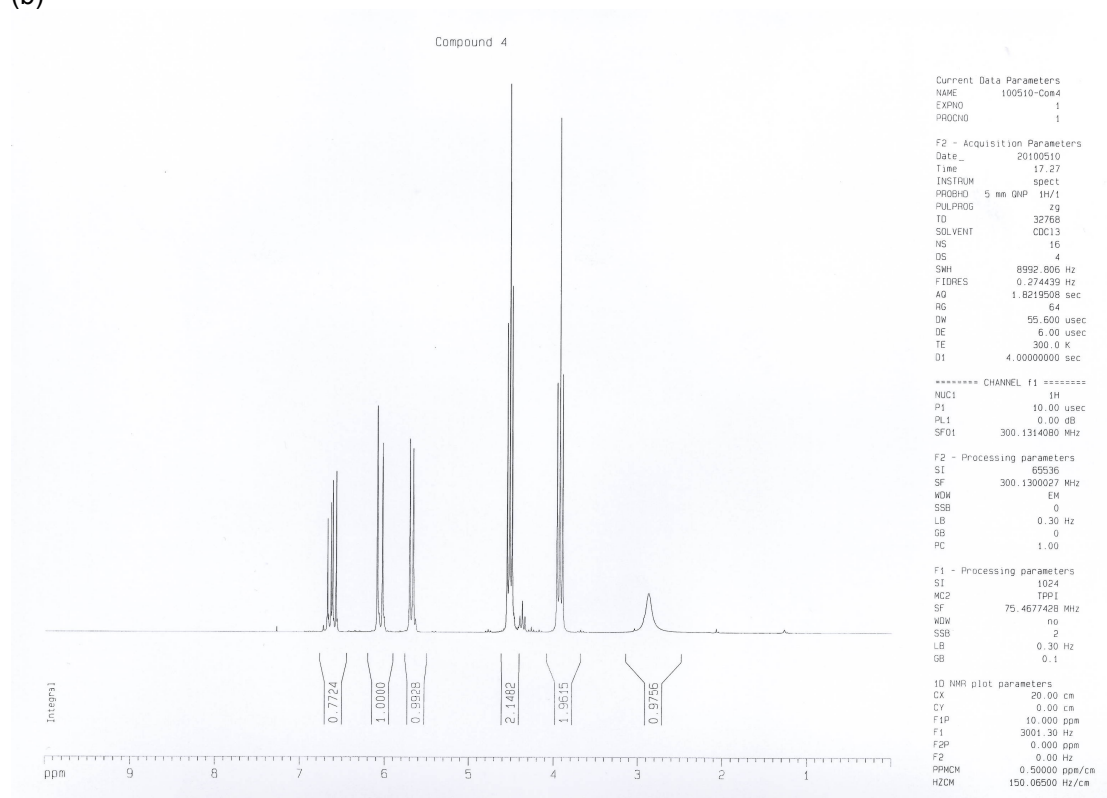
Supplementary Information c0jm02604b

Fig. S1 IR (a), ^1H NMR (b), and ^{19}F NMR (c) spectra of compound **4**.

(a)



(b)



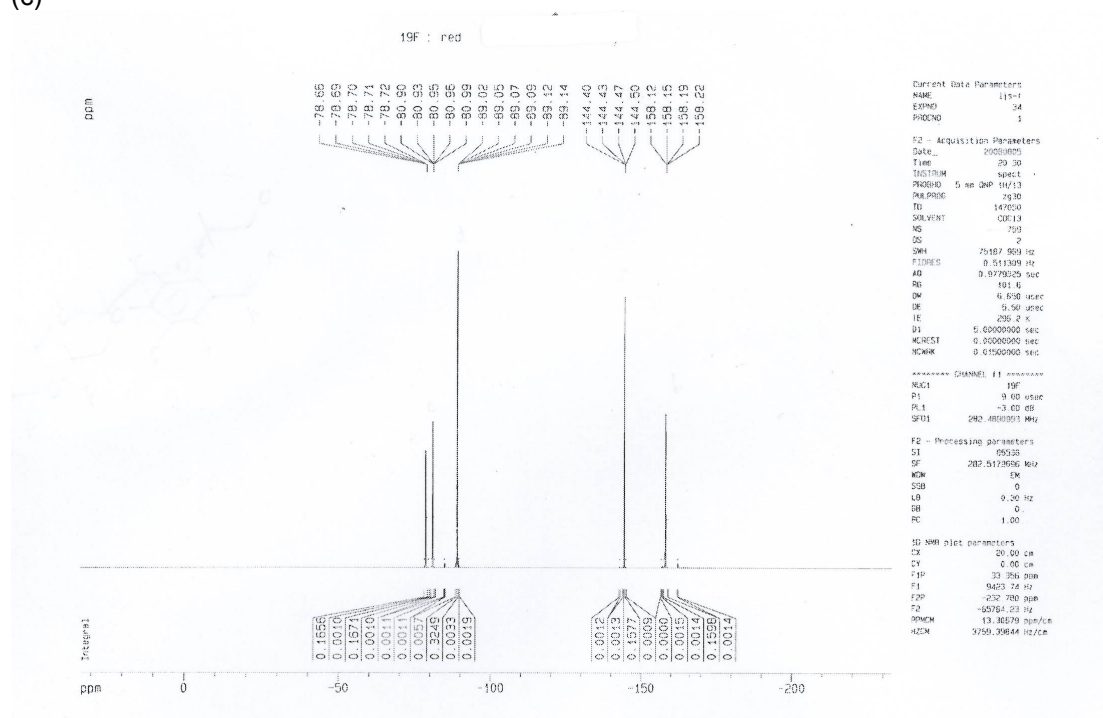
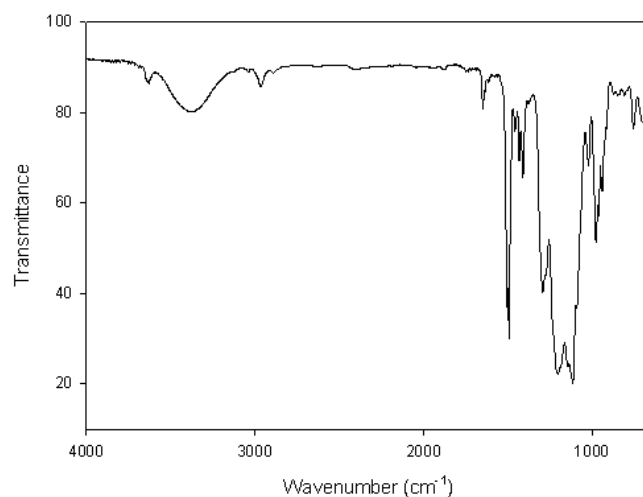
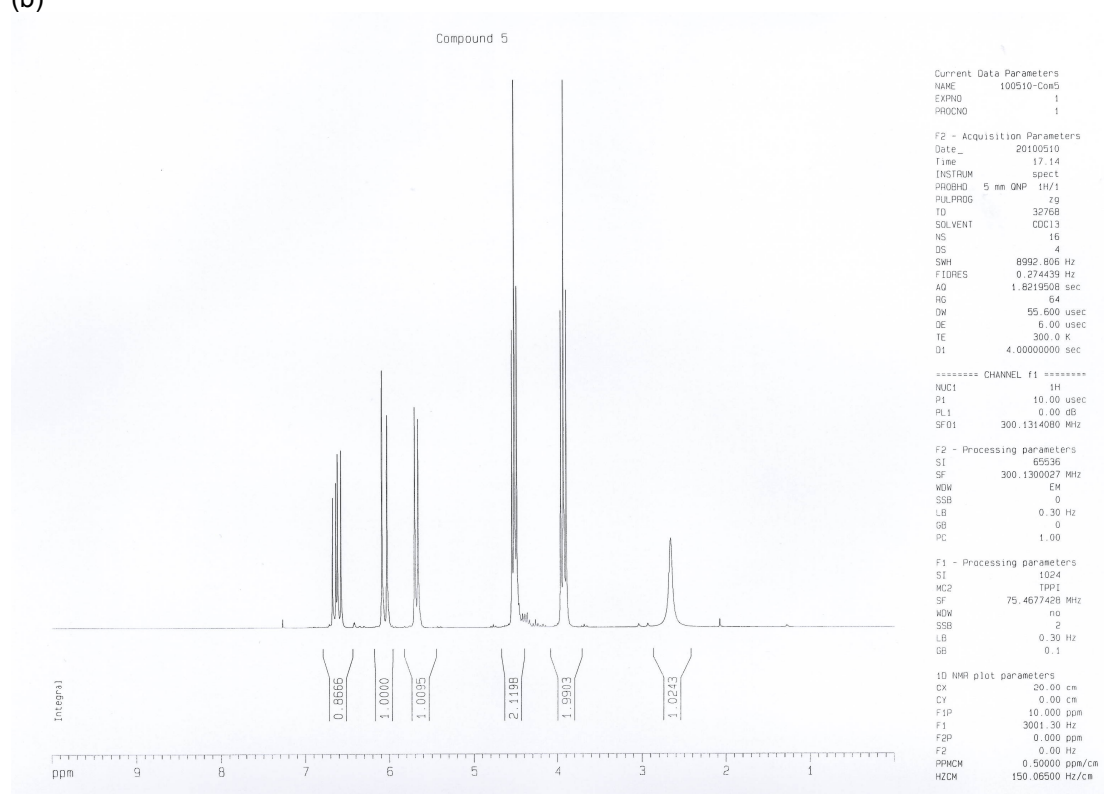


Fig. S2 IR (a), ^1H NMR (b), and ^{19}F NMR (c) spectra of compound **5**.

(a)



(b)



(c)

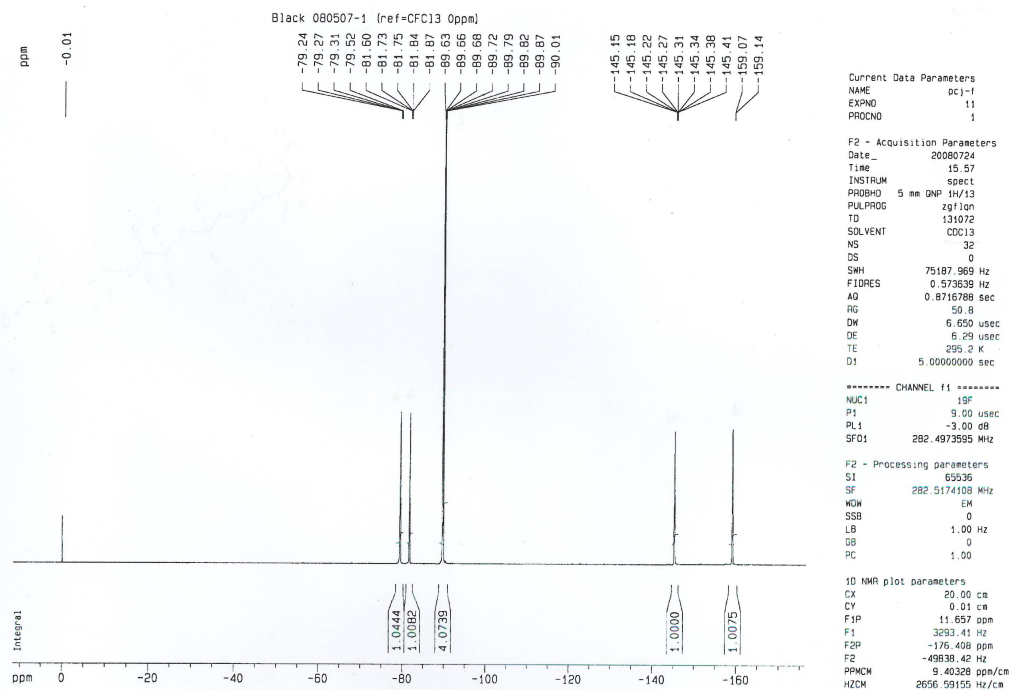
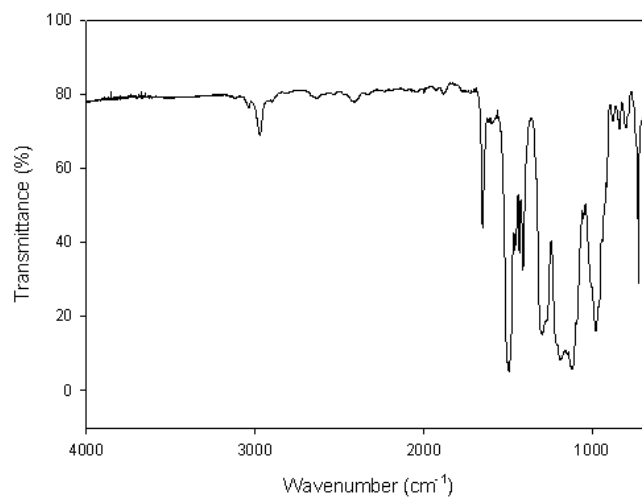


Fig. S3 IR (a), ^1H NMR (b), and ^{19}F NMR (c) spectra of prepolymer 7.

(a)



(b)

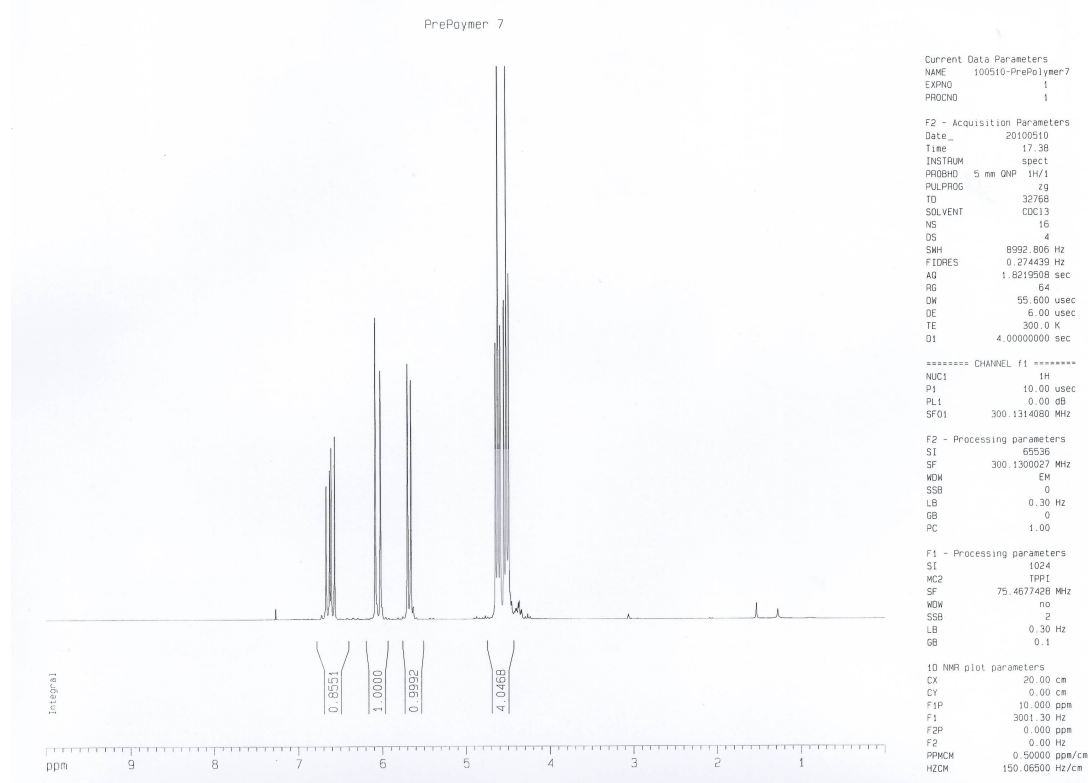
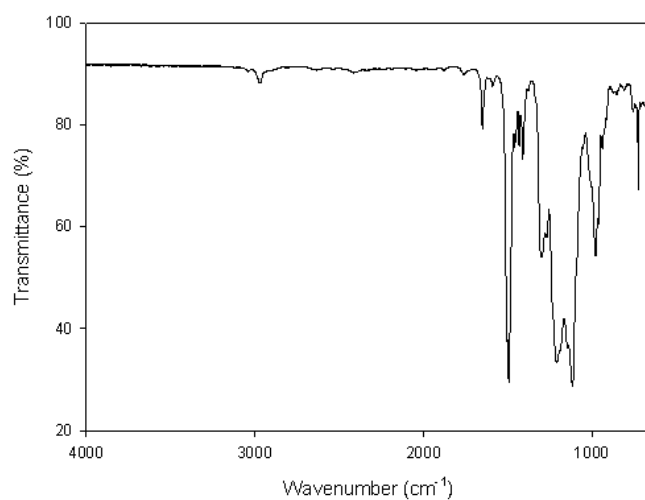
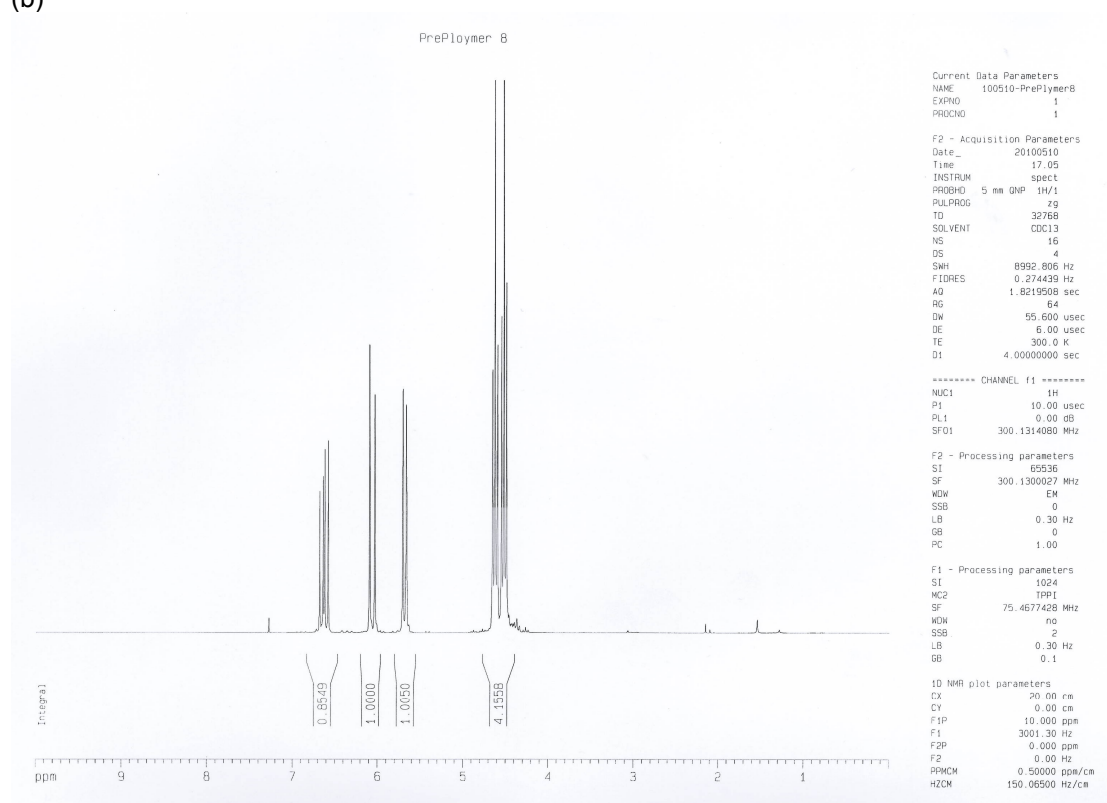


Fig. S4 IR (a), ^1H NMR (b), and ^{19}F NMR (c) spectra of prepolymer **8**.

(a)



(b)



(c)

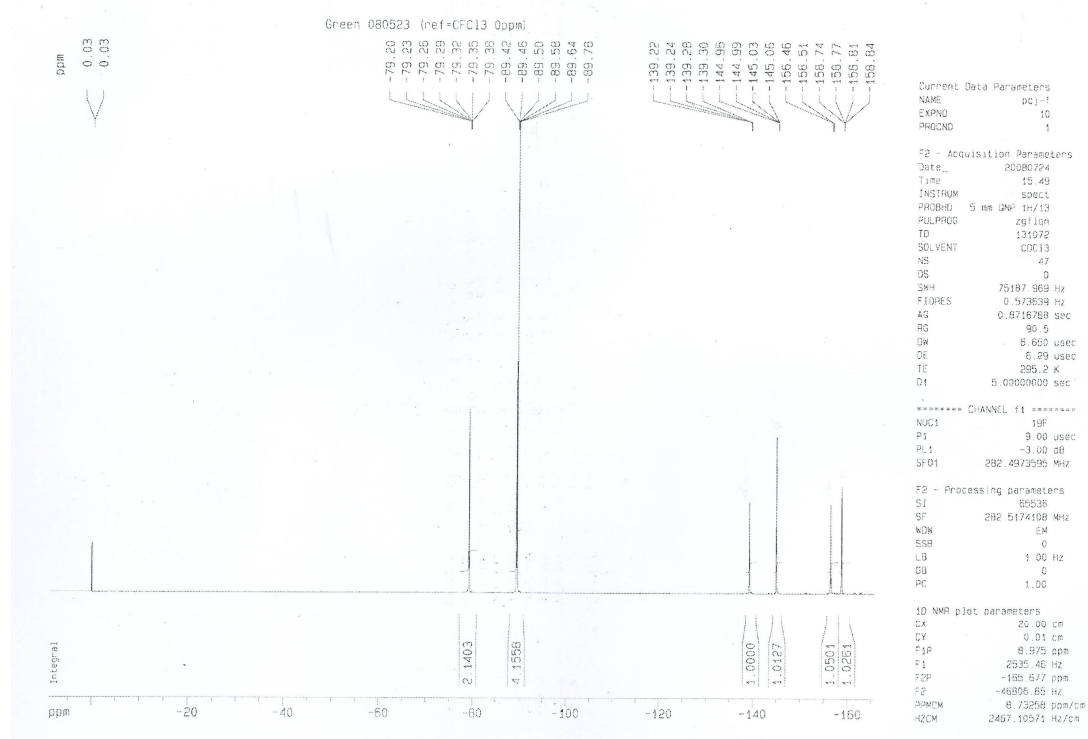


Fig. S5 DSC thermograms of prepolymers **7** and **8**.

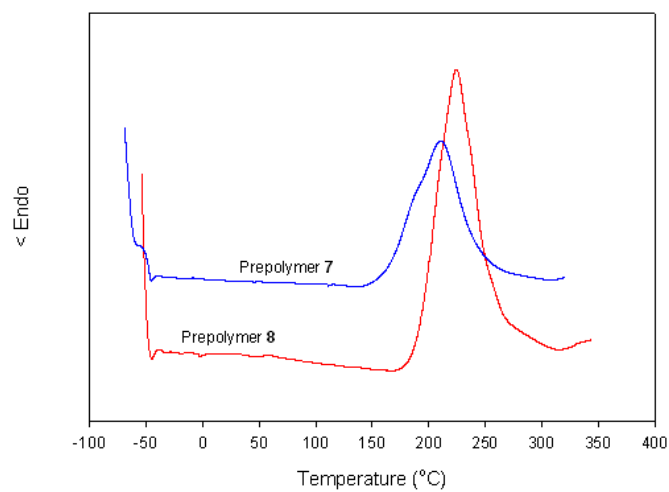


Fig. S6 IR spectra of prepolymer **8** before and after UV and thermal treatments.

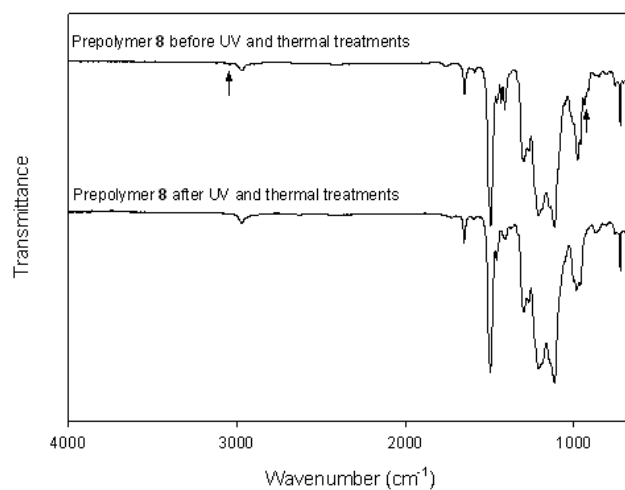


Fig S7 DSC thermograms of the films prepared from prepolymers **7** and **8**.

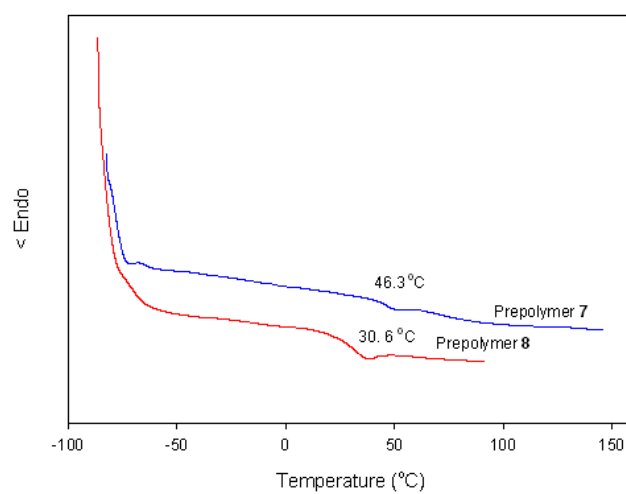


Table S1 Solubility of the films prepared from prepolymers **7** and **8**^a

Film samples prepared from	Solvents				
	DMAc	THF	Cyclohexanone	Acetone	Methanol
Prepolymer 7	xx ^b	x ^c	xx	x	xx
Prepolymer 8	xx	x	x	x	xx

^a The solubility test was carried out at room temperature for 120 h. ^b xx means the film shape is not changed. ^c x means the film is partly fractured.