Supporting Information

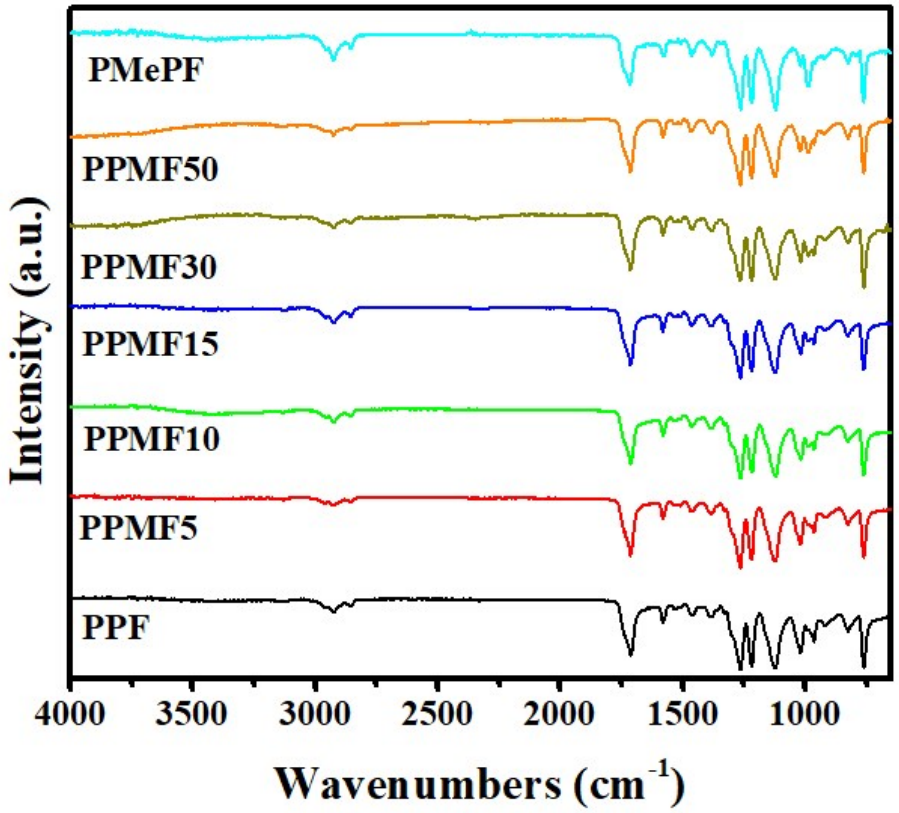

Fig. S1 FT-IR spectra of PPF, PPMFs, and PMePF copolyesters.

Fig. S1 represents the FT-IR spectra of copolyesters indicated the formation of the ester bond in all grades case. The characteristic band peaks of the furan ring, such as C=C, appeared around 1580 and 1520 cm^{-1}, bending motions peak appeared around 970, 830, and 770 cm^{-1}. Besides, the strong absorption around 1735 cm^{-1} was attributed to the C=O of the ester group. The bond peaks around 1020 cm^{-1} turned into weakly, and the bond peaks around 990 cm^{-1} became strong obviously as the co-monomers content increasing, suggesting the -$CH_2C\underline{\mathbf{H_2}}CH_2$- hydrogen atom was replaced with -$CH_2CH(C\underline{\mathbf{H_3}})\ CH_2$- methyl group.

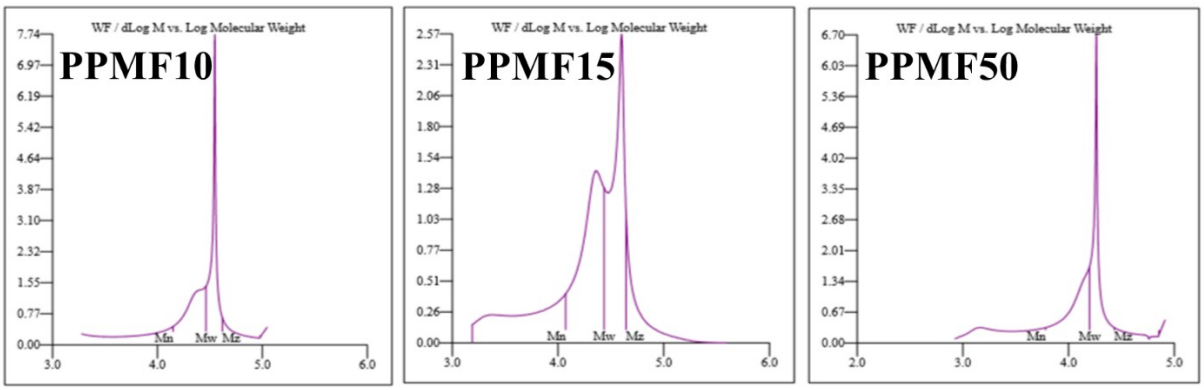

Fig. S2 GPC spectra of PPMF10, PPMF15, PPMF50.