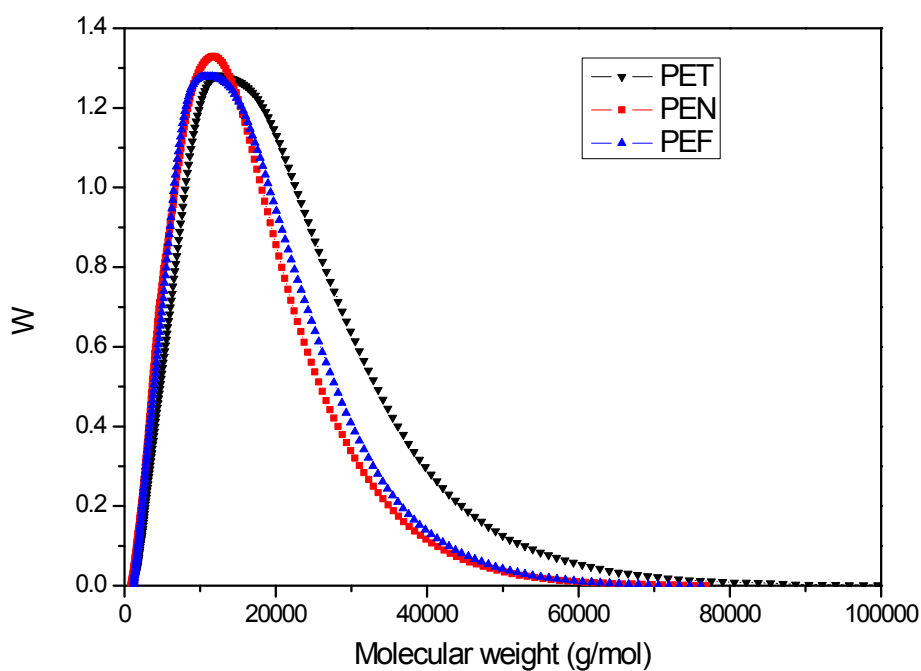
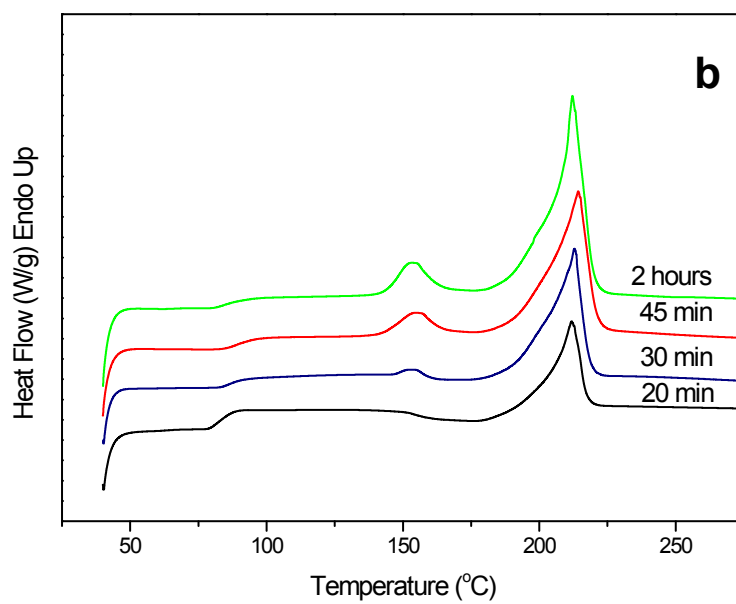
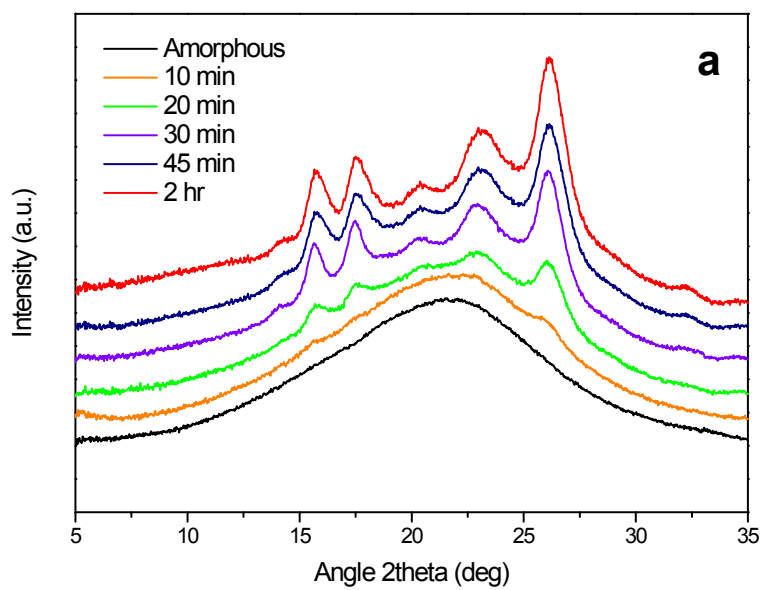


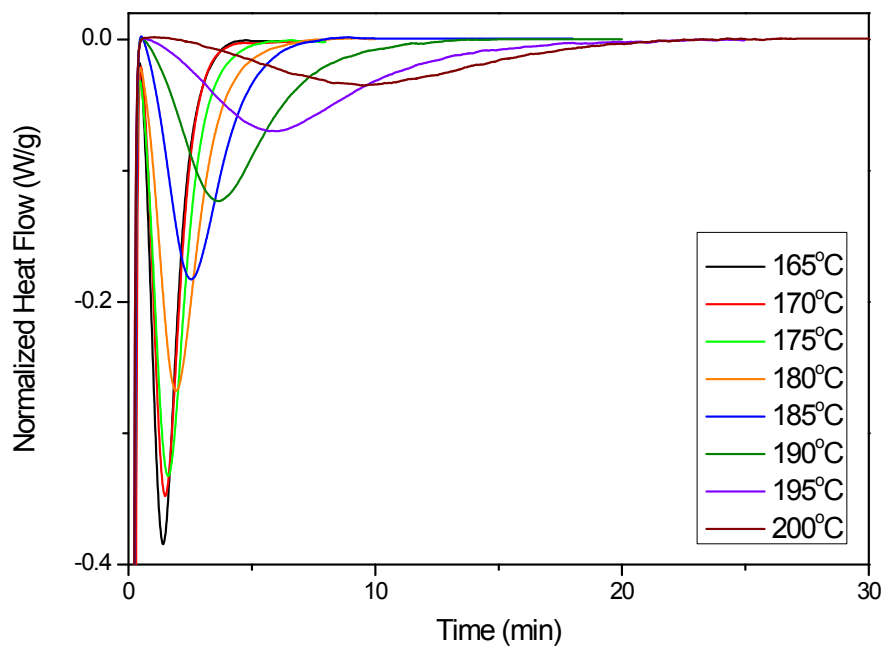
## Supplementary Material



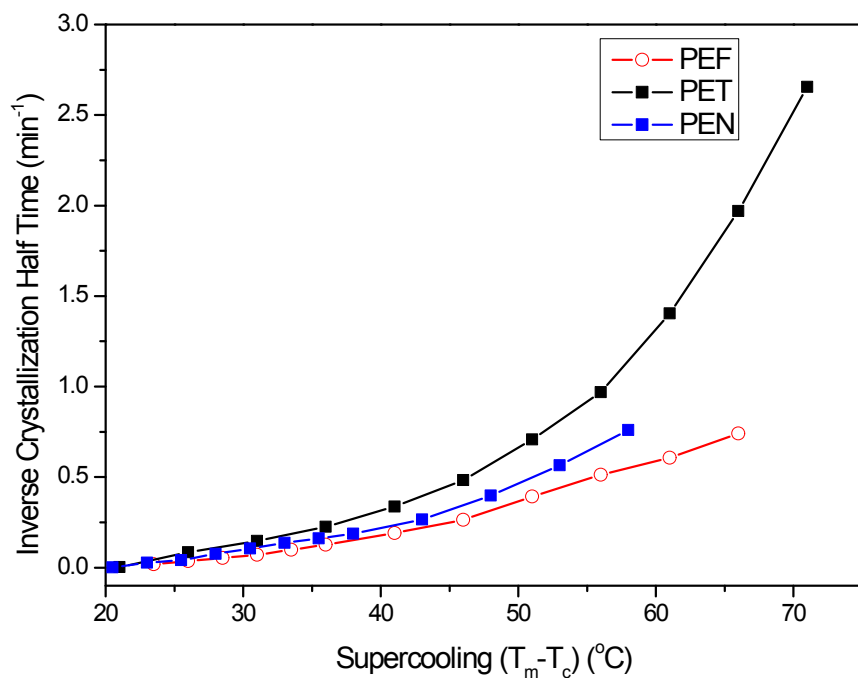
**Fig. S1.** Molecular weight distribution of PPSu measured by GPC analysis.



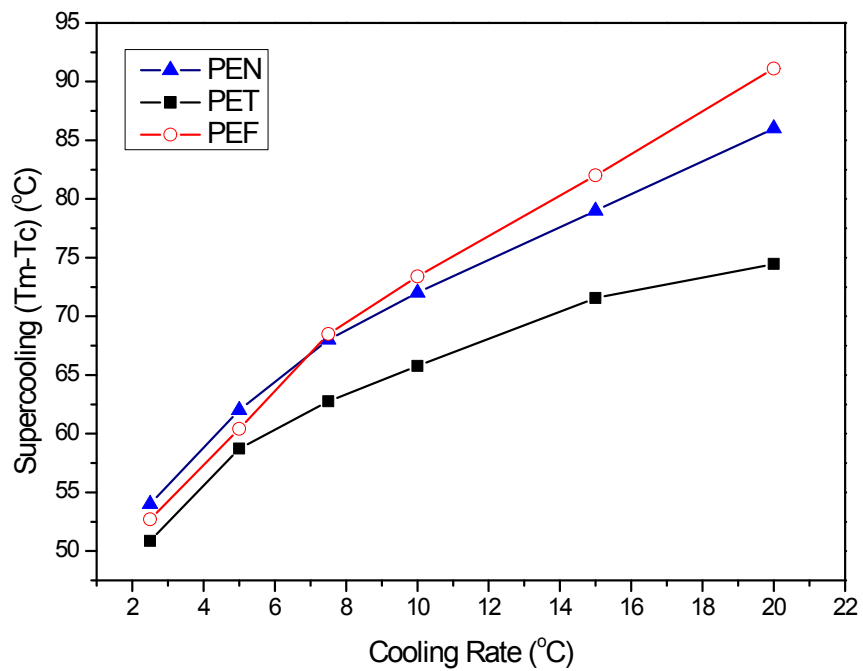
**Fig. S2.** a) WAXD and b) DSC thermograms of amorphous PEF samples heated for different times at 150°C.



**Fig. S3.** Crystallization exothermic peak during isothermal crystallization of PEF at different temperatures



**Fig. S4.** Inverse Isothermal Crystallization Half-Time as a function of supercooling.



**Fig. S5.** Supercooling needed for crystallization as a function of the cooling rate.