

Supporting Information

Ionic Liquid Modified Poly(vinylidene fluoride): Miscibility, Crystalline Structure, and Physical Properties

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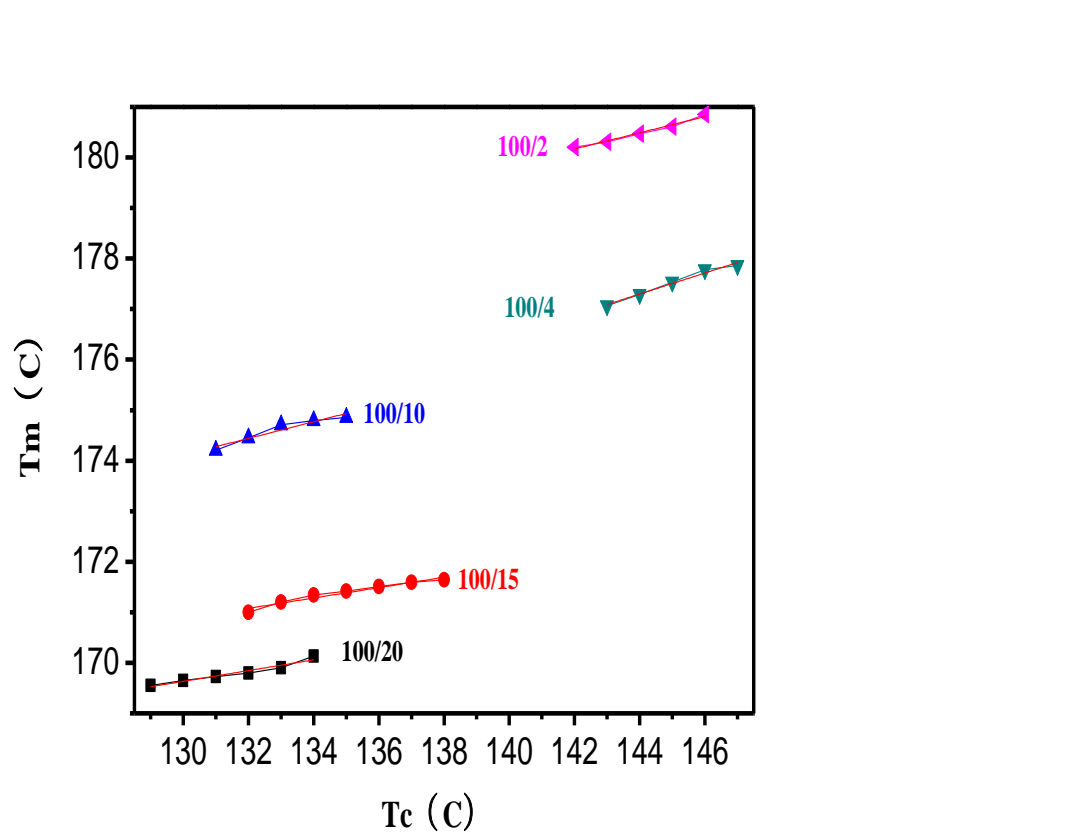


Figure S1. Hoffman-Weeks plots for PVDF/IL blends.

Table S1. is the corresponding detailed fitting information.

Sample Logo	Slope	Intercept	$T_m^0 / ^\circ\text{C}$
100/2	0.16	157.448	187.4
100/4	0.208	147.3456	186.0
100/10	0.1644	152.7408	182.3
100/15	0.1025	157.5482	180.1
100/20	0.1475	150.4285	176.5

Table S1. The calculated equilibrium melting temperature (T_m^0) of each

PVDF/IL blend, obtained from the equation:

$$T_m^0 - T_m = A (T_m^0 - T_C)$$

where, the A is the stability parameter of crystals.