

Supplementary

Processable poly(benzoxazole imide)s derived from asymmetric benzoxazole diamines containing 4-phenoxy aniline: Synthesis, properties and isomeric effect

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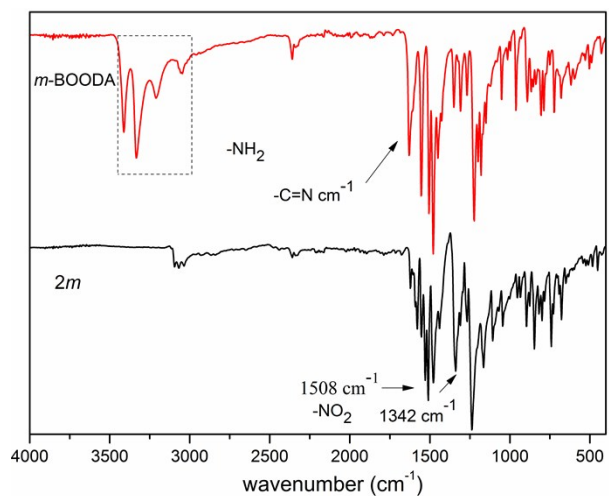


Fig. S1. FTIR spectra of monomers, *2m* and *m*-BOODA.

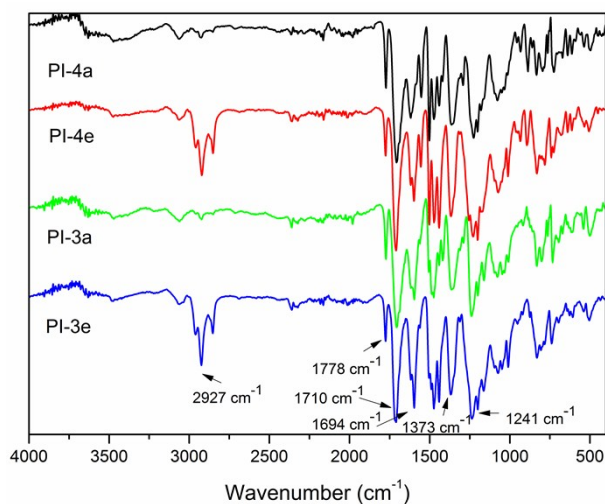


Fig. S2. The FTIR spectra of PBOIs.

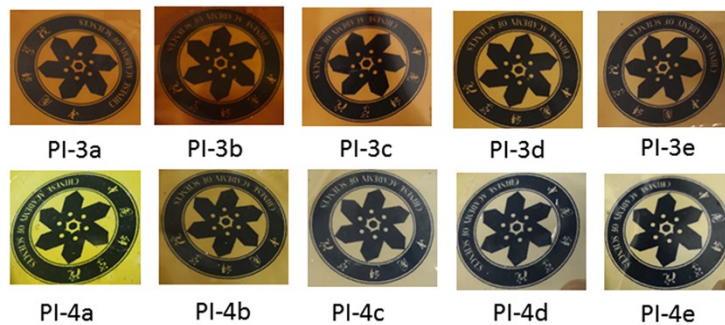


Fig. S3. The photograph of PBOI films.

Table S1. Optical properties of the polymer films.

PBOIs	d(μ m)	λ_0 (nm)	T_{450} (%) ^b	T_{500} (%) ^b	T_{600} (%) ^b
PI-3a	20	411	27	42	68
PI-3b	29	451	0.3	16	56
PI-3c	30	391	19	28	62
PI-3d	49	380	38	46	77
PI-3e	34	383	40	47	72
PI-4a	12	395	47	67	78
PI-4b	15	411	14	61	80
PI-4c	20	367	63	72	81
PI-4d	15	365	65	73	83
PI-4e	34	382	52	65	79

^a λ_0 : UV cut-off wavelength.

^b T_{450} , T_{500} , T_{600} : transmittance at 450, 500, 600 nm, respectively.