

Supporting Information

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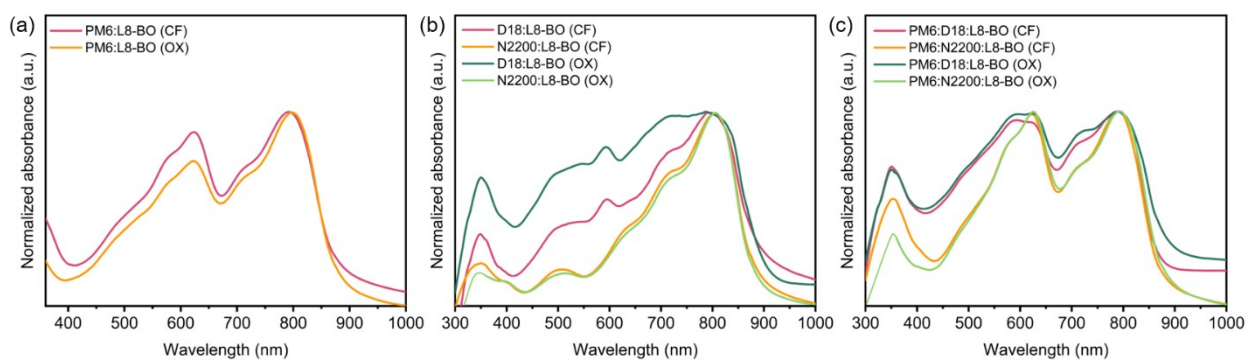


Figure S1. UV-vis absorption spectra of the (a) PM6:L8-BO, (b) D18:L8-BO, N2200:L8-BO, (c) PM6:D18:L8-BO, and PM6:N2200:L8-BO films casting from chloroform (CF) and o-xylene (OX).

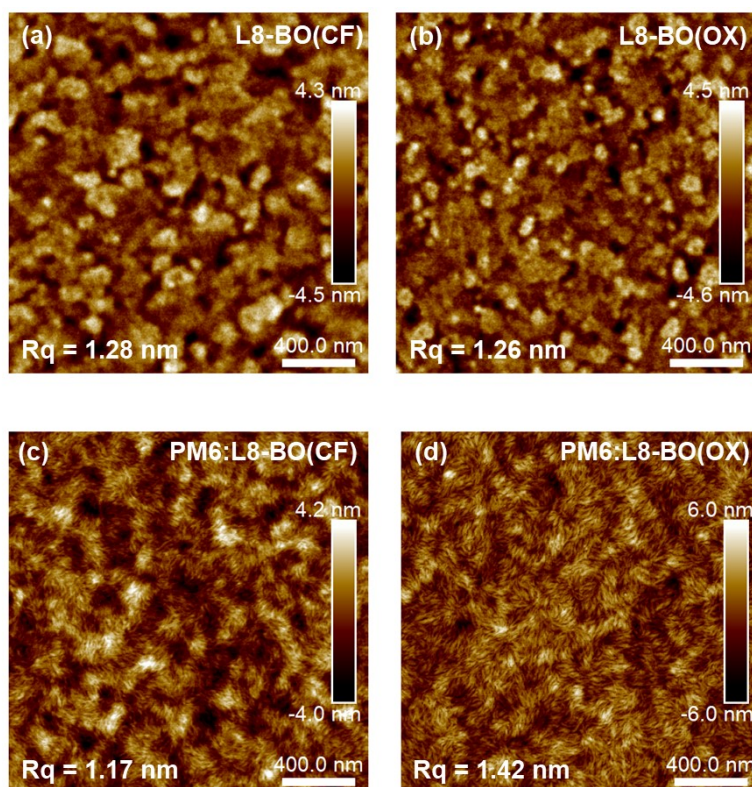


Figure S2. AFM images of the L8-BO and PM6:L8-BO films cast from (a), (c) chloroform (CF) and (b), (d) o-xylene (OX).

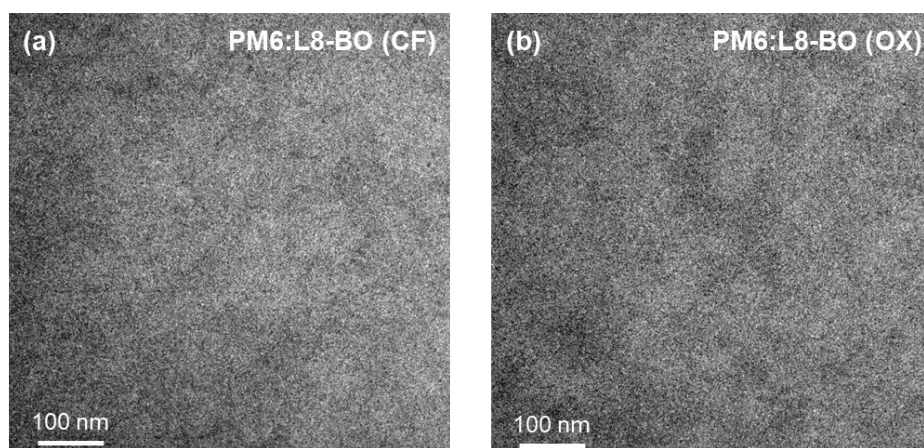


Figure S3. TEM images of PM6:L8-BO films cast from (a) chloroform (CF) and (b) o-xylene (OX).

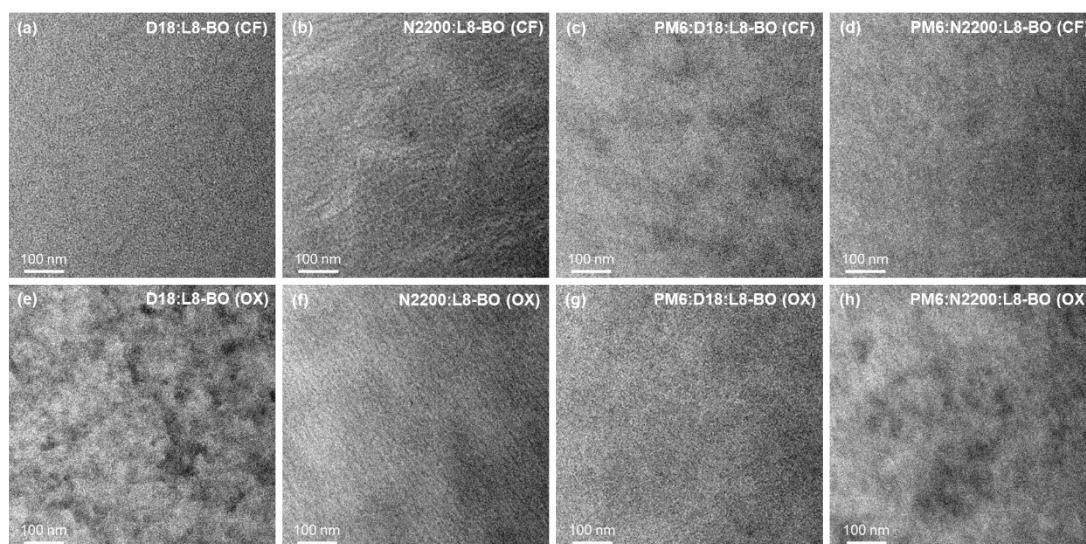


Figure S4. TEM images of D18:L8-BO (a, e), PM6:D18:L8-BO (c, g), N2200:L8-BO (b, f), and PM6:N2200:L8-BO (d, h) films cast from chloroform (CF) and o-xylene (OX) at elevated magnifications.

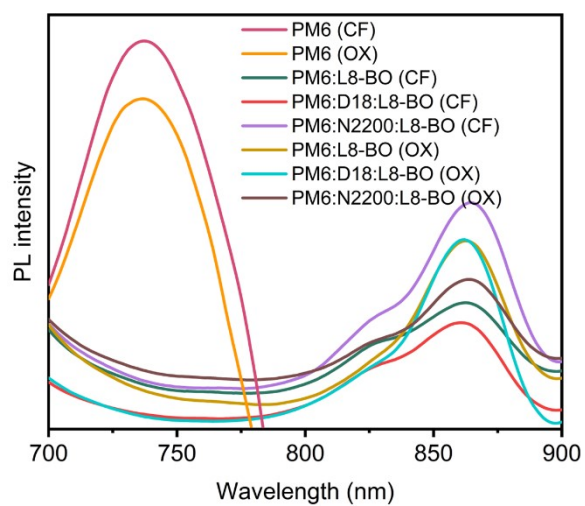


Figure S5. PL spectra of PM6, PM6:L8-BO, PM6:D18:L8-BO, PM6:N2200:L8-BO film cast from chloroform (CF) and o-xylene (OX).

Table S1. Calculated films surface energy components using Wu method

Components		Interfacial surface energy			
1	2	γ_1^d (mN·m ⁻¹)	γ_1^p (mN·m ⁻¹)	γ_1 (mN·m ⁻¹)	γ_{12} (mN·m ⁻¹)
CF	L8-BO	37.73	3.10	40.83	
PM6		35.66	0.91	36.57	1.25
D18		34.76	0.54	35.30	1.92
N2200		32.85	0.43	33.28	2.36
OX	L8-BO	36.94	3.15	40.09	
PM6		35.99	1.34	37.33	0.74
D18		36.01	0.16	36.17	2.71
N2200		30.65	0.57	31.23	2.38

Table S2. Melting point, cold crystallization temperature, and enthalpy of L8-BO, D18, N2200, D18:L8-BO, N2200:L8-BO, and PM6:L8-BO blends cast from chloroform (CF) and o-xylene (OX)

Solvent	Components	T _{cc} (°C)	ΔH _{cc} (J/g)	T _m (°C)	ΔH _m (J/g)
CF	L8-BO	/	/	318.1	-34.81
	N2200	/	/	326.3	-17.07
	D18	/	/	/	/
	PM6:L8-BO (1:1.2)	/	/	315.2	-17.18
	D18:L8-BO (0.2:1.2)	/	/	317.1	-28.70
	N2200:L8-BO (0.2:1)	/	/	316.3	-34.19
OX	L8-BO	193.6	2.30	315.2	-15.13
	N2200	/	/	322.1	-16.85
	D18	/	/	/	/
	PM6:L8-BO (1:1.2)	/	/	297.4	-11.99
	D18:L8-BO (0.2:1.2)	191.4	0.64	314.2	-27.41
	N2200:L8-BO (0.2:1)	200.7	1.51	316.5	-4.95

Table S3. The dispersive and polar components of water and diiodomethane were shown in the following table, which are quoted from the previous article (Inter. J. Adhes. Adhes. 1992, 12, 145-149).

Solvent	γ_L^d (mJ/m ²)	γ_L^p (mJ/m ²)	γ_L (mJ/m ²)
Water (H ₂ O)	21.8	51.0	72.8
Diiodomethane (CH ₂ I ₂)	50.8	≈ 0	50.8