Supplementary Information for

Highly Ordered Luminescent Microporous Films Prepared From
Crystalline Conjugated Rod-Coil Diblock Copolymers of
PF-b-PSA and Their Superhydrophobic Characteristics

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Figure S1. $^1$H NMR spectra of (a) PF-Br, (b) PF$_7$-b-PSA$_{64}$, (c) PF$_7$-b-PSA$_{93}$, and (d) PSA in CDCl$_3$. 
Figure S2. GPC profiles of the synthesized polymers.

Figure S3. TGA curves of PF-b-PSA block copolymers at a heating rate of 20 °C/min under nitrogen atmosphere.
Figure S4. DSC curves of (a) PSA ($M_n = 27,004$), (b) PF$_7$-b-PSA$_{64}$, and (c) PF$_7$-b-PSA$_{93}$ at a heating rate of 10 $^\circ$C/min under nitrogen atmosphere.
**Figure S5.** The SEM image of PF$_7$-b-PSA$_{166}$ film cast at 65% relative humidity without air flow.

**Figure S6.** The magnified SEM image of Figure 6(d).
Figure S7. WAXD intensity profiles of the glass slide and microporous films of PF$_7$-b-PSA$_{166}$ and PF$_7$-b-PMMA$_{810}$.

Figure S8. The cross-section SEM image with tilted 25°of PF$_7$-b-PSA$_{166}$ microporous film after peeled of skin layer.