



Figure S1. Microscopic pictures of cross-sections of M (a), MP (b), MPZ (c), MPA (d), MPAZ (e) composite films.

Table 1. Thickness of different films.

Film	M	MP	MPZ	MPA	MPAZ
Thickness (μm)	28.82 ± 0.18	36.50 ± 0.75	47.97 ± 5.05	50.23 ± 2.20	58.47 ± 2.20