

Supplementary Video Captions

Modifying flexible polymer films towards superhydrophobicity and superoleophobicity

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Video S1: Hysteresis measurement of a water drop on a neat LDPE film

Video S2: Hysteresis measurement of a water drop on a LDPE film coated with a nanocomposite containing 33% wt Silres BS 4004 and 67% wt ZL nanoparticles

Video S3 (a and b): Water repellence of a LDPE film coated with a nanocomposite containing 56% wt Dynasytan and 44% wt PG003. **(a)** tilted substrate at 5° and **(b)** untilted (horizontal) substrate