

Electronic Supplementary Material

A novel UHMWPE composite with low friction coefficient for long-term ice sliding

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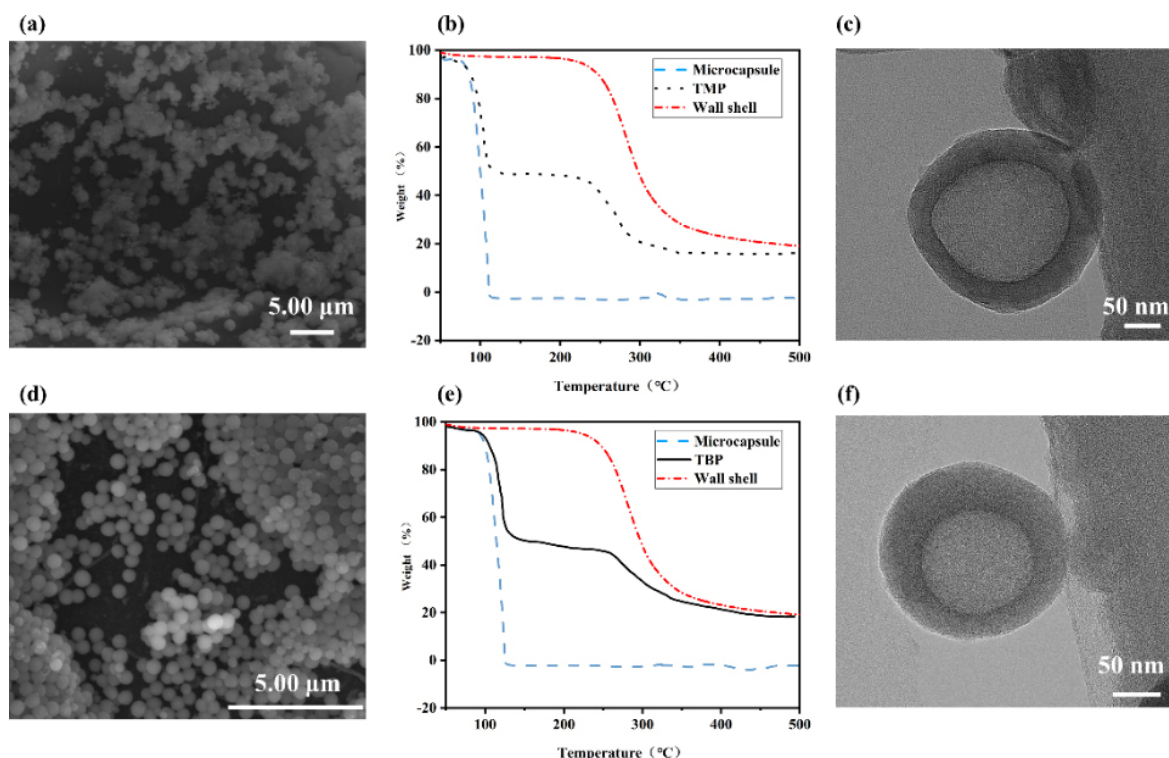


Figure S1 (a), (d) SEM image of TMP@MS and TBP@MS; (b), (e) TGA curves of TMP@MS and TBP@MS; (c), (f) TEM image of TMP@MS and TBP@MS

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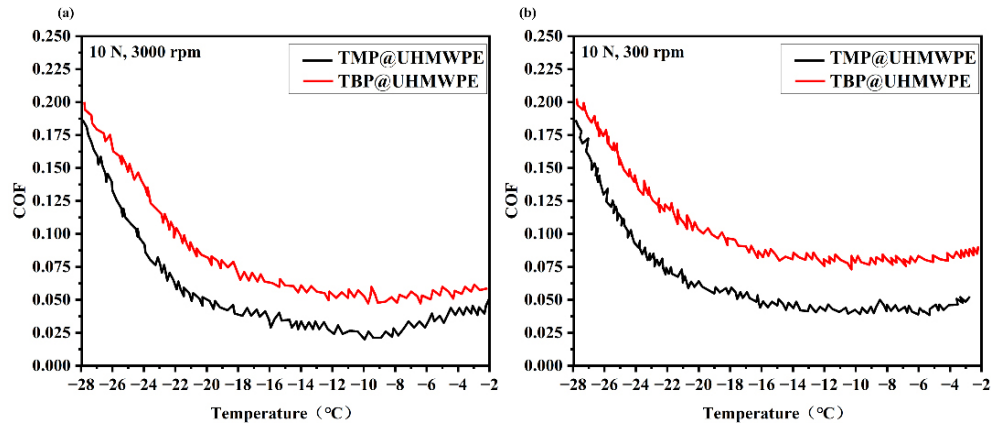


Figure S2 The effect of temperature on the ice COF of TMP@UHMWPE and TBP@UHMWPE at 3000 rpm(a) and 300 rpm(b).

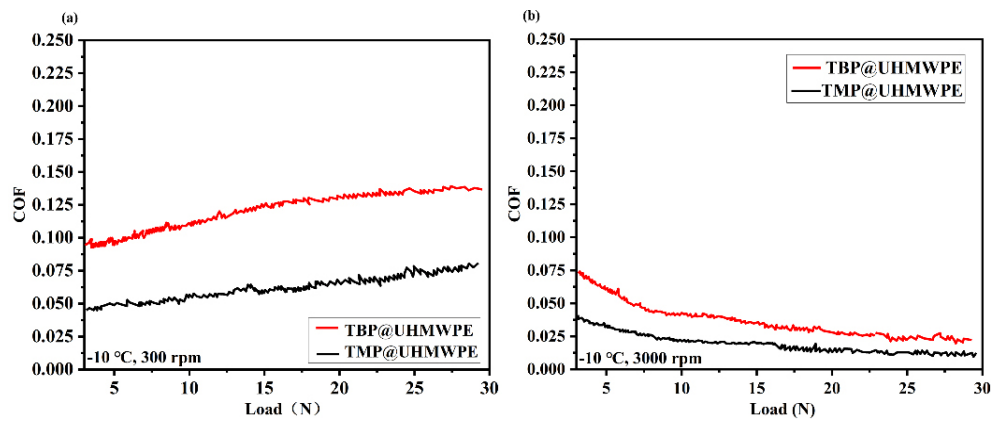


Figure S3 The effect of loads on the ice COF of TMP@UHMWPE and TBP@UHMWPE at 300 rpm(a) and 3000 rpm(b).

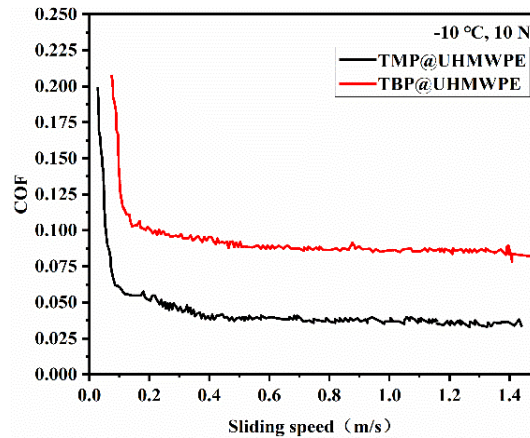


Figure S4 The effect of sliding speed on the ice COF of MS@TS under -10 °C.