

Supporting Information

Improvement of the gas barrier properties of the PLA/OMMT films by regulating the interlayer spacing of OMMT and the crystallinity of PLA

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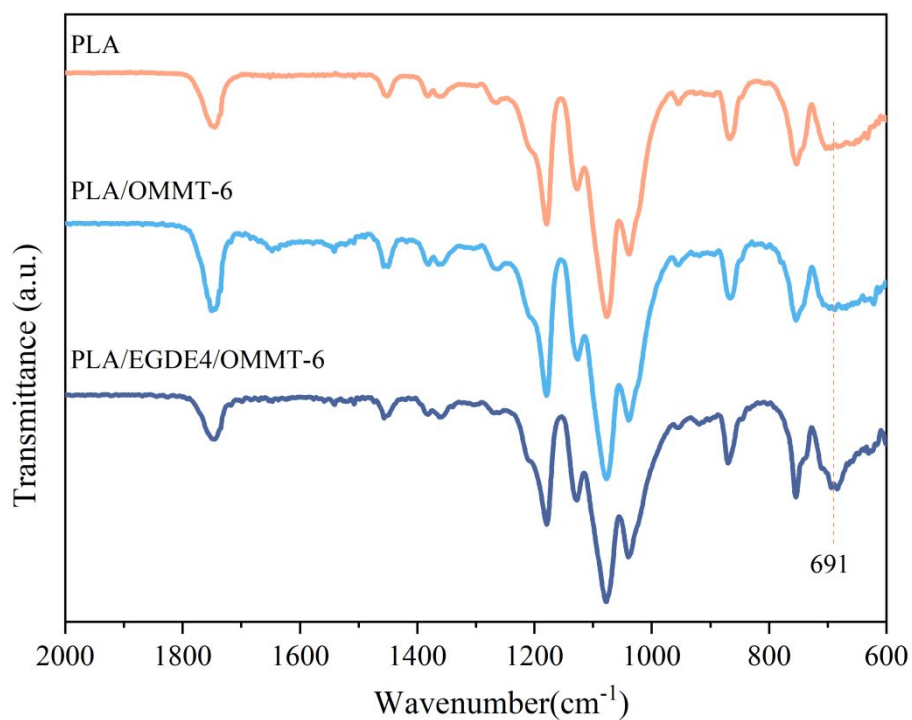


Figure S1 ATR spectra of neat PLA, PLA/OMMT-6 and PLA/EGDE4/OMMT-6

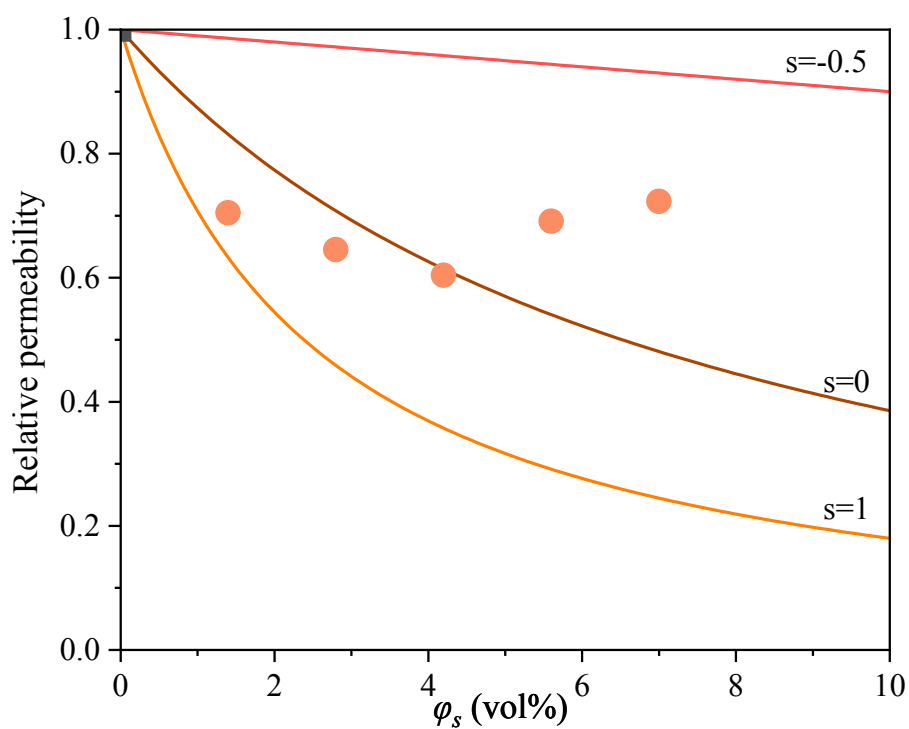


Figure S2 Comparison between the experimental data obtained with respect to P_{O_2} and the Bharadwaj model for the relative permeability in terms of the OMMT loadings for $L/W = 80$.

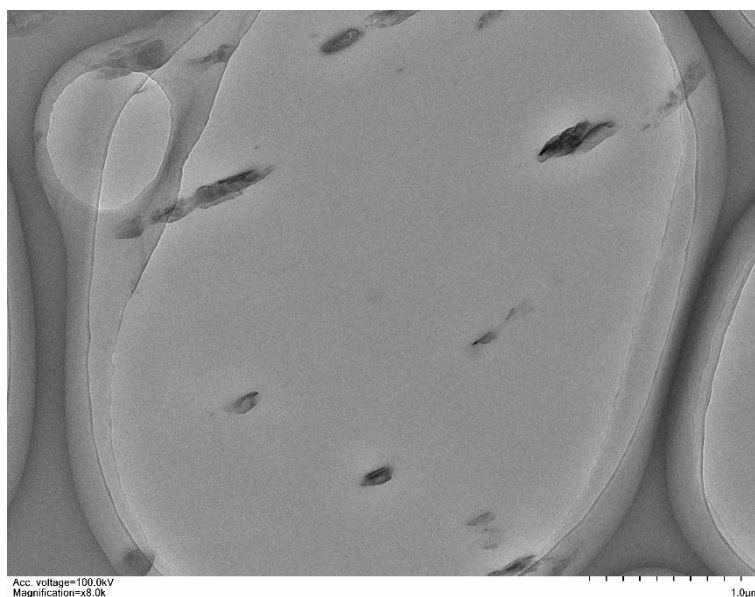


Figure S3 TEM images of PLA/OMMT-6

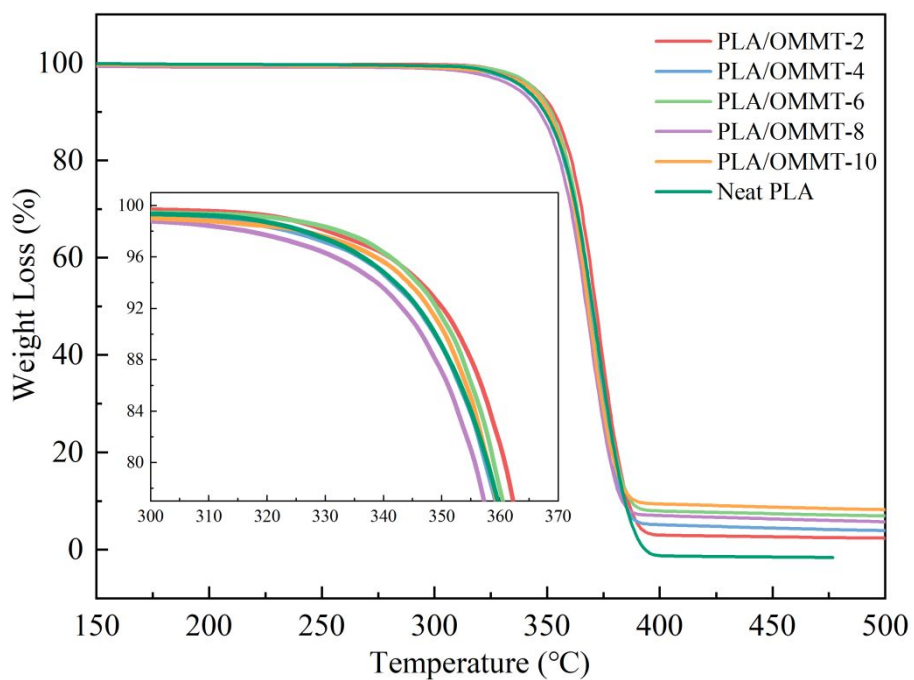


Figure S4 Thermal gravimetric curves of the PLA and PLA/OMMT nanocomposites with different amounts of OMMT (10 °C/min at N₂).