

Supplementary Material: Improved Mechanical, Thermal and Hydrophobic Properties of PLA Modified with Alkoxysilanes by Reactive Extrusion Process

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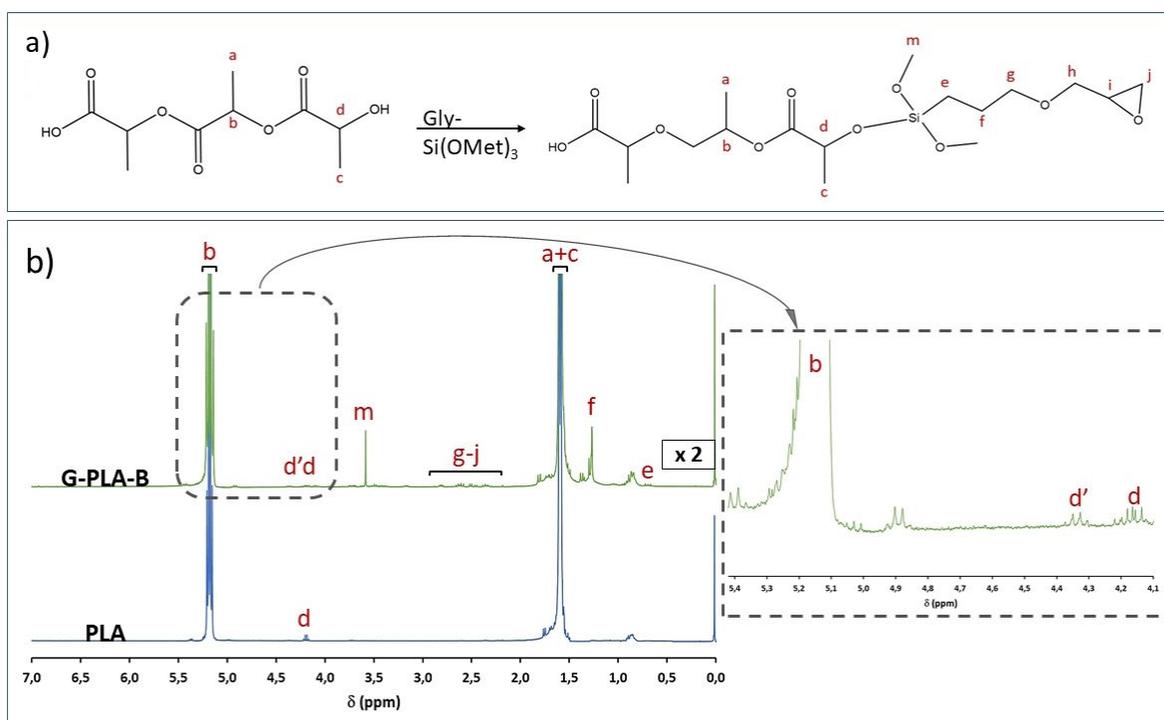


Figure S1. (a) Reaction scheme of the PLA modification with (3-glycidyloxypropyl)trimethoxysilane and (b) ^1H NMR of raw and modified PLA different with concentration of (3-glycidyloxypropyl)trimethoxysilane: 1.3 and 2.7 wt%.

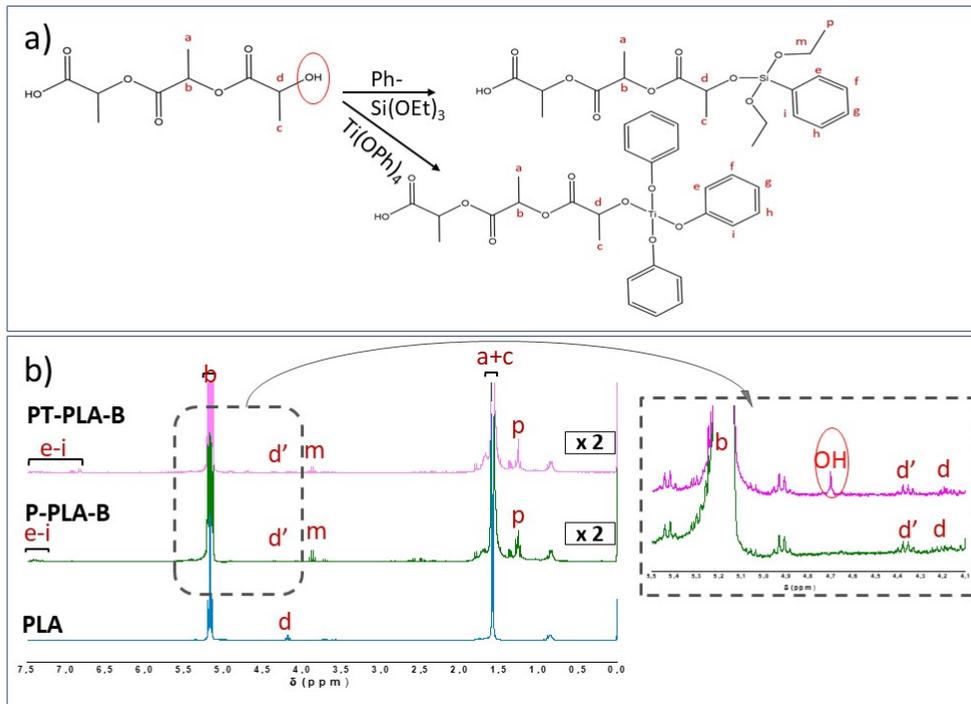


Figure S2. (a) Reaction scheme of the PLA modification with phenyltriethoxysilane and titanium phenoxide, (b) ¹H NMR of raw and modified PLA with phenyltriethoxysilane and titanium phenoxide: P-PLA-B and PT-PLA-B.