

Supplementary Material: c-Perpendicular Orientation of Poly(L-lactide) Films

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DSC scans for the three semi-crystalline films of Table 1 are shown in Figure S1. All three films exhibit broad exothermic phenomena above T_g . Moreover, the PLLA film crystallized by DMF sorption at room temperature (Figure S1b) shows a double peak of melting. These phenomena indicate the occurrence of re-crystallization. This makes difficult evaluation and comparison of the degree of crystallinity.

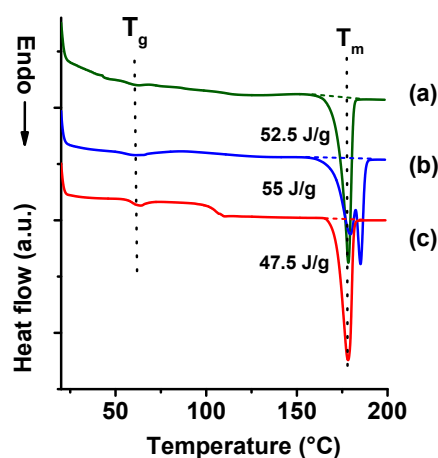


Figure S1. DSC heating scans, at a rate of 10°C/min, of PLLA semicrystalline films of Table 1. Amorphous PLLA films as crystallized by: (a) DMF sorption at -18°C; (b) DMF sorption at room temperature; (c) cold crystallization at ~100°C. Melting enthalpy values are shown close to the melting peaks.