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Glycidyl Methacrylate-Compatibilized Poly(lactic acid)/Hemp Hurd Biocomposites: Processing, Crystallization, and Thermo-mechanical Response

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Poly(lactic acid)-based biocomposites were developed with hemp hurd (*Cannabis sativa L.*) with grafting-based interfacial compatibilization. Poly(lactic acid) was extruded with hemp hurd and glycidyl methacrylate as the polymer/hurd interfacial compatibilizer, and injection molded. Interfacial compatibility between poly(lactic acid) and hemp hurd increased with grafted glycidyl methacrylate in comparison to the non-compatibilized control, as