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| Abstract | : | <p>Polylactic acid-based composites were prepared using carbon fibers. A 3D printer was used to fabricate different samples using three different temperatures such as 190, 200, and 210 °C. Different testings such as tensile, flexural, and thermogravimetric analysis and Fourier transform of infrared spectroscopy were used to characterize the samples. Result analysis showed that the composite exhibited lower properties than the neat PLA samples. The results for the parameter variation have minimum effects on the properties of the composites.</p> |