Effect of Ethylene/Glycidyl Methacrylate copolymer on the micibility, mechancical properties and thermal properties of cellulose acetate butylate/polypropylene blends

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Polypropylene(PP) blended with cellulose butylate acetate(CAB) to make excellent biodegradable materials. PP/CAB blends reported it is not incompatibility because PP is nonpolar and CAB is hydrophilic. In this study, we tried to improve micibility using Ethylene/Glycidyl Methacrylate copolymer. The thermal properties were evaluated by DSC and TGA. The morphology and mechanical properties were assessed by FE-SEM and a notched Izod impact strength tester.