

Effect of cobalt stearate on outdoor exposure of LLDPE/soy spent powder blends

Abstract

In this study, the degradability of low linear density polyethylene (LLDPE) and soy spent powder blends under outdoor exposure of Malaysia. Cobalt stearate was used as a pro-oxidant. The degradation of the blends was observed by monitoring the changes in the tensile properties and molecular weight. The degradability of the blends was also accelerated by the addition of prooxidant.

Keywords

Cobalt stearate; LLDPE; Outdoor exposure; Soy spent powder