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INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES”

Characterization of Resultant Effluent of the Washing Process of Plastic Film Evaluating Treatment Application for Electrolytic Process

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Abstract

The water is a fundamental component for the process of raw material preparing for recycling plastic post-consumer, for participate as element of removing debris and dross that contaminate the raw material matrix used. The present work aims characterize the water washing of one recycler of plastic type film (bags) to estimate increments and pollutants as a general form to gross water, through the parameters indicators of characteristics physic-chemical, relating the influence of plastic volume prepared for recycling with solid volume. These results will serve as a basis for preparatory estimate of removal these solids through the application for electrolytic process, considering the effluent characteristics before the process and after the electrolytic process.

Keywords: *treatment, water resources, recycling, film.*

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