

STUDY ON BIODEGRADABLE NON WOVENS AS UPPER/LOWER LAYER IN SANITARY NAPKINS

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ABSTRACT

This project deals with the analysis of using biodegradable non-woven as top layer for sanitary napkins. Commercial sanitary napkin is made up of 80% of plastics and takes nearly 500-800 years to degrade in landfills. It also releases toxic gases on burning. So this project aims at utilizing Viscose and bamboo spun lace non-woven for the upper/lower layer of the sanitary napkin. This non-woven will be tested for overall moisture management capability, Wetting time, absorption rate, maximum wetted radius, spreading speed, one way transport index. The results are expected to reveal the suitability for upper/lower layer of a sanitary napkin. Thus this project focuses mainly on eco-friendliness and sustainable development.

Keywords: *Viscose, Bamboo, Spun lace non-woven, Top layer characterization, Sanitary napkins*
