



The Effects of Salt Spray on Mechanical Properties of Wood-Plastic Composite, Polypropylene and Neem Wood Flour

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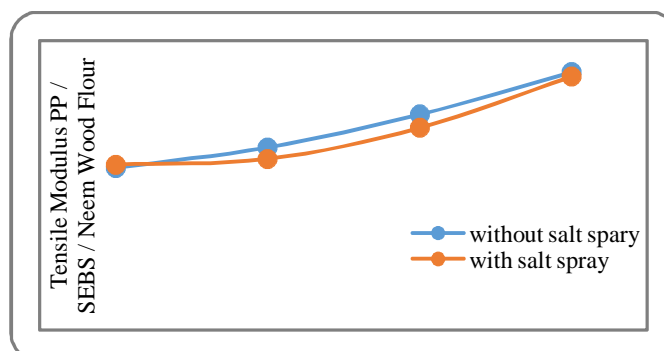
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ABSTRACT

In the present study various mechanical parameters were examined on fabricated wood plastic composite as per the specific standards. Wood plastic composite properties tested against properties of polypropylene (PP), Styrene-ethylene-butylene-styrene (SEBS), Neem wood flour. The mechanical properties of wood plastic composite have been compared with polypropylene, SEBS and Neem wood flour. The PP-SEBS blend with 10% wt of copolymer is further modified up to 10%, 15%, 30% and 50% wt of Neem wood. The tensile properties such as modulus, strength and impact strength were examined and the effect of spray on these properties is also the part of study.

Graphical Abstract



Dependence of Tensile modulus of PP/SEBS/Neem wood flour content (%).

Keywords: Polypropylene, Neem wood flour, SEBS, Salt spray.