

MACRO MECHANICAL ANALYSIS OF BAMBOO LAMINA

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ABSTRACT

Dry bamboo culms of *Dendrocalamus strictus* were processed into thin laminas selected from different regions. Tensile properties of bamboo laminae increases from inner to outer region for any cross section and the same is experienced from bottom to top. The trends of the variation of elastic properties and longitudinal tensile strength with direction of a fiber direction of bamboo lamina have been evaluated.

KEYWORDS: Lamina/ply; Laminates; Strength