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CHARACTERIZATION AND PERFORMANCI ELEMENTARY HEMP FIBRES: FACTORS IN TENSILE STRENGTH

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Abstract

This paper presents the outcomes from an extensive investigation on single hemp fibres, as well as configurations and related tensile streng the aid of field emission scanning and optical microscopy. The results increased with the decrease of the diameter of individual test pieces, comultiple single fibres within the test pieces; 2) shear failure between suplayed a significant role in the test results; 3) the TS was closely related inherent joints along the fibre length and single fibres contained in the the length and width of hemp fibres may complicate the test results, a prior to decortications may double the TS of hemp fibres compared to Reliable TS of single hemp fibres have been derived by a power regre were verified with an excellent agreement with experimentally tested in