

Title (en)
METHOD FOR MANUFACTURING PURE-WOOD-PULP DUAL-LAYER SOLUBLE PAPER TOWEL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES ZWEILAGIGEN LÖSLICHEN PAPIERTUCHS AUS REINER HOLZPULPE

Title (fr)
PROCEDE DE FABRICATION D'ESSUIE-TOUT SOLUBLE A DOUBLE COUCHE EN PULPE DE BOIS

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Application
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Priority
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Abstract (en)
Disclosed is a method for fabricating a pure wood pulp dual-layer soluble paper towel, wherein imported bleached needle bush and broad-leaved wood pulp boards are applied, the fabricating method sequentially comprising steps of: slurry dispersing, mixing raw materials, beating, web section forming, dehydration and drying, winding the formed sheet, and cutting and folding to output paper. The added fiber active beating enzyme facilitates the fiber to absorb water to swell and to fibrillate, thereby enhancing the beating degree; the formed sheet has a longitudinal-to-transverse tension ratio ranging from 1.8 to 2.4, guaranteeing that the base paper has a strong break-resistance capacity when being stretched. Additionally, the water content of the sheet is controlled between 7% and 7.6% per square meter, which offers an optimum water content, such that the base paper does not easily generate static electricity; moreover, the base paper has a strong tensile strength, flexibility, and folding durability, such that it is not easily curled, warped, or wrinkled. The present disclosure achieves a high tensile force and the base paper satisfies the water-soluble requirement well. The paper towel according to the present disclosure may not only satisfy the need of wiping dry a wet hand, but also may be directly disposed in a toilet or sewer without causing clog.

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Citation (search report)
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