

ABSTRACT OF THE DISCLOSURE

Title of the invention: METHOD OF MANUFACTURING A WATER
DISINTEGRATABLE NON-WOVEN
FABRIC AND THE WATER DISINTEGRATABLE NON-WOVEN FABRIC

A water disintegratable non-woven fabric having excellent water disintegratability and high wet strength can be obtained by a step of forming a fiber web from fibers having a fiber length of 10 mm or less, a step of applying a water jet treatment to the fiber web to obtain a fiber sheet having wet strength of less than 100 g/25 mm in MD and CD, the wet strength being defined by tensile strength at break of the fiber sheet, as measured by using a tensilon tester with a chuck distance of 100 mm, at a tensile speed of 100 mm/min to the fiber sheet which is cut into 25 mm width and 150 mm length and impregnated with water in an amount 2.5 times the weight of the fiber sheet, and a step of adding at least one binder selected from the group consisting of carboxymethyl cellulose, alkylcellulose, polyvinyl alcohol and modified polyvinyl alcohol to the fiber sheet. The water disintegratable non-woven fabric is sufficiently bulky and has an excellent wiping effect.

(THE FIGURE USED
FOR PUBLICATION IS NONE)