

Title (en)
REINFORCED NON-WOVEN FABRIC

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Application
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Priority
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Abstract (en)
[origin: EP0281643A1] The present invention provides a reinforced non-woven fabric comprising a web containing at least 15% by weight of composite fiber composed of a low-melting component and a high-melting component, the low-melting component forming at least a part of the external fiber surface, first reinforcing fibers arranged obliquely to the lengthwise direction of the web, and second reinforcing fibers crossed with the first reinforcing fibers for symmetric arrangement relative to the lengthwise direction of the web, the first and second reinforcing fibers containing at least 15% by weight of hot-melt-adhesive fiber hot-melt-adhered in the heat treatment conducted for forming the non-woven fabric at a temperature between the melting point of the high-melting component and that of the low-melting component of the hot-melt-adhesive composite fiber. The first and second reinforcing fibers, these fibers and the web and the fibers constituting the web are bonded to each other by heat fusion and the reinforcing texture having a diamond pattern constituted by the first and second reinforcing fibers is at least partly embedded in the non-woven fabric.

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Cited by
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