

Title (en)

ABSORBENT MATERIALS HAVING IMPROVED FLUID HANDLING PROPERTIES

Title (de)

ABSORBIERENDE MATERIALIEN MIT VERBESSERTER FLÜSSIGKEITSHANDHABUNG

Title (fr)

MATERIAUX ABSORBANTS AUX PROPRIETES DE GESTION DE FLUIDE AMELIOREES

Publication

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Application

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Abstract (en)

[origin: WO03051417A1] Disclosed are absorbent compositions, useful in an absorbent article, having high liquid intake rates and a rapid liquid lock-up. Absorbent composites of this invention have an intake rate of at least about 1.9 cc liquid/second at an 80% absorbent composite saturation level and a liquid lock-up fraction of at least about 0.70 at 50% superabsorbent material saturation. The absorbent composites of one embodiment of this invention include a superabsorbent material having a stiffness index of greater than about 0.87 and a vortex time of less than about 40 seconds. The absorbent composites of this invention can be a freeze-dried composite, an airformed absorbent composite, or other fibrous or non-fibrous absorbent composites.

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