

Title (en)

FABRIC CREPED ABSORBENT SHEET WITH VARIABLE LOCAL BASIS WEIGHT

Title (de)

SAUGFÄHIGES GEKREPPTES STOFFBLATT MIT VARIABLEM, LOKALEM FLÄCHENGEWICHT

Title (fr)

FEUILLE DE TISSU ABSORBANT CRÊPÉ AYANT UN POIDS DE BASE LOCAL VARIABLE

Publication

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Application

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Abstract (en)

A method of making a fabric-creped absorbent cellulosic sheet, the method comprising: compactively dewatering a papermaking furnish to form a nascent web having an apparently random distribution of papermaking fiber orientation; applying the dewatered web having the apparently random distribution of papermaking fiber orientation to a translating transfer surface that is moving at a transfer surface speed; fabric-creping the web from the transfer surface at a consistency of from about 30% to about 60% utilizing a creping fabric, the fabric-creping step occurring under pressure in a fabric creping nip defined between the transfer surface and the creping fabric, wherein the creping fabric is traveling at a fabric speed that is slower than the transfer surface speed; applying the web to a Yankee dryer; creping the web from the Yankee dryer; and winding the web on a reel, wherein the fabric pattern, nip parameters, velocity delta, and web consistency and composition are selected such that: the web is creped from the transfer surface and redistributed on the creping fabric to form a web with a local basis weight variation, the web including at least (i) a plurality of fiber-enriched regions of a relatively high local basis weight, and (ii) a plurality of elongated regions having a relatively low local basis weight and being generally oriented along the machine direction (MD) of the sheet; and the process exhibits a Caliper Gain/% Reel Crepe ratio of at least 1.5.

IPC 8 full level

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