

ABSTRACTABSORBENT CORE HAVING IMPROVED
FLUID HANDLING PROPERTIES

An absorbent core comprises, in sequence through its
5 thickness, a first structure comprising an upper layer
comprising a first fibrous material (3) having a wet
compressibility of at least $5 \text{ cm}^3 \text{ g}^{-1}$ and a drip capacity of
at least 10 g g^{-1} , the structure also comprising a first
superabsorbent material (5) having a substantially non-
10 decreasing dynamic swelling rate and a second structure
comprising a second fibrous material (6) and a second
superabsorbent material (7) having a dynamic swelling rate
of at least $0.2 \text{ g g}^{-1} \text{ s}^{-1}$ and an absorption against pressure
of at least 15 g g^{-1} at 50 g cm^{-2} (0.7psi), wherein the
15 dynamic swelling rate of the first superabsorbent material
is not greater than $2/3$ of the dynamic swelling rate of the
second superabsorbent material.

The absorbent core allows improved fluid handling of
body discharges throughout the core and in the subsequent
20 efficient storage of these discharges.

This Sheet Has Been Replaced

