

ABSORBENT ARTICLE WITH MICRO-PARTICULATE STORAGE MEMBER

Abstract

An absorbent article comprising a liquid pervious topsheet, a liquid pervious backsheet joined to at least a portion of the topsheet, an absorbent core disposed between at least a portion of the topsheet and the backsheet, and a waste management element disposed in at least a portion of the crotch region. The waste management element preferably includes a macro-particulate structure comprising a multiplicity of particulate having a nominal size of between about 1 mm and about 25.4 mm. The waste management element preferably has an Acceptance Under Pressure value of greater than about 780 (0.50) grams of a viscous fluid bodily waste per square metre (inch) of the waste management element per milliJoule of energy input. The waste management element preferably also has a Storage Under Pressure value of at least about 1090 (0.70) grams of the viscous fluid bodily waste per square metre (inch) of the waste management element. The waste management element may also have an Immobilization Under Compressed Inversion value of greater than about 70% of the viscous fluid bodily waste accepted by the waste management element.

Fig. 5



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