Title (en)

GEOCELL FOR LOAD SUPPORT APPLICATIONS

Title (de)

GEOZELLE FÜR LASTTRAGANWENDUNGEN

Title (fr)

GÉOCELLULE POUR APPLICATIONS DE SUPPORT DE CHARGE

Publication

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Application

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Priority

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- US 2008078065 W 20080929

Abstract (en)

[origin: WO2010036270A1] A geocell is disclosed that has high strength and stiffness, such that the geocell has a storage modulus of 500 MPa or greater at 23°C; a storage modulus of 150 MPa or greater at 630C when measured in the machine direction using Dynamic Mechanical Analysis (DMA) at a frequency of 1 Hz; a tensile stress at 12% strain of 14.5 MPa or greater at 230C; a coefficient of thermal expansion of 120 x 10'6 /0C or less at 250C, and/or a long term design stress of 2.6 MPa or greater. The geocell is suitable for load support applications, especially for reinforcing base courses and/or subbases of roads, pavement, storage areas, and railways.

IPC 8 full level

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