

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
EP 16176619 A 20080929

Priority
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• EP 08823923 A 20080929
• US 2008078065 W 20080929

Abstract (en)
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 63°C 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 23°C; a coefficient of thermal expansion of $120 \times 10^{-6} / ^\circ\text{C}$ or less at 25°C; 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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Citation (search report)
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• [Y] JP H09228301 A 19970902 - RAILWAY TECHNICAL RES INST, et al
• [Y] WO 9635833 A1 19961114 - TENSAR CORP [US], et al
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