

Geotextile Fibre

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Abstract: *Geotextile fibers are a class of synthetic or natural materials used in geotechnical engineering applications to enhance soil stability, drainage, filtration, separation, reinforcement, and erosion control. This research paper presents an overview of geotextile fibers, including their properties, types, and various applications in civil engineering. It also highlights recent advancements in material technology, manufacturing processes, and their evolving roles in addressing environmental and sustainability concerns. The study concludes by discussing the future trends in geotextile fiber development and their potential impact on infrastructure, particularly in areas prone to erosion, flood control, and waste management.*

Keywords: Geotextile fibers

