

## CETCO® GEOTEXTILES

### BACKGROUND

CETCO nonwoven geotextiles are needlepunch manufactured with chemically resistant polypropylene stable fiber, to produce premium grade products.

In waste containment cover and closure systems, nonwoven geotextiles can help protect the geomembrane component from puncture, minimize the accumulation of pore-water pressure above the barrier layer, serve as a separation layer between dissimilar materials, and provide additional reinforcement to unstable soft soils.

APPLICATION	PRODUCT SELECTION CRITERIA	PRODUCT
GEOMEMBRANE PROTECTION	Puncture, mass	Heavy weight nonwovens provide the highest level of puncture resistance
SEPARATION OF DISSIMILAR MATERIALS	Tensile, elongation, tear, AOS, permittivity, permeability	Light to medium weight materials generally provide adequate separation characteristics
FILTRATION	AOS, permittivity, mass, tensile, permeability	Lightweight geotextiles generally provide adequate filtration characteristics and minimize clogging
DRAINAGE/COLLECTION	Mass, transmissivity (water flow rate), permeability	Light to medium weight geotextiles generally provide adequate drainage properties. Heavy weight geotextiles should be considered for gas collection systems.
REINFORCEMENT	Grab, elongation, tear, mass	Most nonwovens will add strength and improve the stability of unstable soils. High performance products may be required for severe applications.

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*IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit [www.CETCO.com](http://www.CETCO.com). CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.*



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