

Nonwoven geotextiles are a multi-purpose fabric made from polypropylene staple fibers that are needle-punched to form a dimensionally stable fiber network. These permeable textiles are often used as a cushion layer in conjunction with geomembranes to guard against tears due to rocks, stones, concrete or other harsh surfaces and objects. Geotextiles are a relatively inexpensive insurance for geomembrane protection in situations where the subgrade or cover soil are questionable. Other applications include filtration and separation with soil, rock, earth or any other geotechnical engineering-related material.

- Separation/Stabilization of paved and unpaved roads
- Filtration in subsurface drainage systems
- Geomembrane Cushion Layer
- Environmental Waste Management
- Filtration beneath hard armor systems
- Geomembrane Separation Layer

### Certified Properties

### ASTM

Grab Tensile Strength (lbs)	D-4632	230
Grab Tensile Elongation (%)	D-4632	50
Puncture (CBR) Strength (lbs)	D-6241	700
Trapezoidal Tear Strength (lbs)	D-4533	95
Apparent Opening Size (Standard U.S. Sieve)	D-4751	100
Permittivity (sec <sup>-1</sup> )	D-4491	0.8
Water Flow Rate (gal/min/ft <sup>2</sup> )	D-4491	75
UV Resistance at 500 Hours Exposure (% Strength Retained)	D-4355	70