



GEI 600N



GEI 600N is a needlepunched nonwoven geotextile manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position.

GEI 600N resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV English	MARV Metric
Tensile Strength (Grab)	ASTM D4632	160 x 160 lbs	711 x 711 N
Elongation	ASTM D4632	50%	50%
CBR Puncture	ASTM D6241	410 lbs	1825 N
Trapezoidal Tear	ASTM D4533	60 x 60 lbs	267 x 267 N
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D4491	1.4 sec ⁻¹	1.4 sec ⁻¹
Water Flow Rate	ASTM D4491	105 gpm/ft ²	4276 lpm/m ²

*Maximum Average Roll Valve

Notes:

- Mullen Burst ASTM D3786 has been removed. It is not recognized by ASTM D35 on Geosynthetics.
- Puncture ASTM D4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241

PROPERTY	Typical English	Typcial Metric
Roll Dimensions	12.5 x 360 ft 15 x 300 ft	3.81 x 109.8 m 4.6 x 91.5 m
Roll Area	500 yd ²	418 m ²

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