



Product Data Sheet

Woven Geotextiles

PGW270

PGW270 is a geotextile produced with polypropylene tape yarns woven to form a dimensionally stable fabric. The polypropylene yarns are specially formulated to resist ultraviolet light deterioration and are inert to commonly encountered soil chemicals. The fabric will not rot or mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a pH range of 2 to 13. PGW270 meets AASHTO M288 Survivability Class 2 and conforms to the physical property values listed below:

Fabric Property	Test Method	Units	Minimum Average Roll Value
Grab Tensile	ASTM D 4632	lbs	270 (1.2 kN)
Grab Elongation	ASTM D 4632	%	15
Trap Tear	ASTM D 4533	lbs	100 (.444 kN)
CBR Puncture	ASTM D 6241	lbs	900 (4.0 kN)
Permittivity	ASTM D 4491	1/sec	.05
Water Flow	ASTM D 4491	gpm/sqft	4 (163 l/min/sm)
AOS*	ASTM D 4751	U.S. Sieve	40 (.425 mm)
UV Resistance after 500 hrs.	ASTM D 4355	% Strength Retained	70

Packaging	
Roll Dimensions - feet	12.5/15 x 360
Square Yards Per Roll	500/600
Estimated Roll Weight – lbs	200/240

Notes:

1. Property values listed above are effective 01/12/2019 and or subject to change without notice.
2. There may be some variation in above values due to various factors when tested at other laboratory.
3. Minimum average roll values (MARV) are calculated as the typical minus two deviations. Values represent testing at the time of manufacture. PGW270 conforms to the Minimum Average Roll Values (MARV) 97.7%.
4. *Maximum average roll value

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