

Technical Data Sheet

TPG250

TPG250 is a UV-stabilized polypropylene tape woven fabric. It is manufactured at one of Thrace Nonwovens & Geosynthetics SA facilities that have achieved **ISO 9001:2008** certification for its systematic approach to quality, as well as **ISO 14001:2004** for its safe environmental practices. The construction of the geotextile makes **TPG250** ideal for soil separation, stabilization and reinforcement. It is resistant to commonly encountered soil chemicals, mildew and insects and is non-biodegradable. **TPG250** conforms to the property values listed below:

PROPERTY	TEST METHOD	VALUE	ENGLISH UNITS		METRIC UNITS	
MECHANICAL						
Grab Tensile Strength (MD/CD)	ASTM D4632	MARV	lbs	250/250	kN	1.1/1.1
Grab Elongation (MD/CD)	ASTM D4632	MARV	%	15/15	%	15/15
Trapezoidal Tear (MD/CD)	ASTM D4533	MARV	lbs	90/90	kN	0.40/0.40
CBR Puncture Strength	ASTM D6241	MARV	lbs	900	N	4005
HYDRAULIC						
Apparent Opening Size (AOS)	ASTM D4751	max	US Sieve	40	mm	0.425
Permittivity	ASTM D4491	MARV	sec ⁻¹	0.10	sec ⁻¹	0.10
Permeability	ASTM D4491	MARV	cm/sec	0.007	cm/sec	0.007
Water Flow Rate	ASTM D4491	MARV	gpm/ft ²	7.4	lt/m ² /s	5.0
PHYSICAL						
Mass/Unit Area	ASTM D5261	MARV	oz/yd ²	5.3	gr/m ²	180
Thickness	ASTM D5199	MARV	mils	27	mm	0.69
ENDURANCE						
UV Resistance	ASTM D4355	MARV	%retained @500hrs	>80	%retained @500hrs	>80
STANDARD PACKAGING						
Roll Width	Measured	Typical	ft	17	m	5.2
Roll Length	Measured	Typical	ft	328	m	100
Roll Area	Calculated	Typical	yd ²	622	m ²	520

NOTES:

- The property values listed are subject to change without notice.
- MD indicates Machine Direction and CD indicates Cross Direction
- All values listed are minimum average roll values (MARV), unless otherwise noted and are calculated as the mean minus two standard deviations. Statistically, this yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the values reported. MaxARV is calculated as typical plus two standard deviations.
- AOS reported as maximum average value.



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