

## Technical Data Sheet

### TPG315

**TPG315** is a UV stabilized polypropylene woven fabric. It is manufactured at one of THRACE NWs & GEOs facilities that have achieved ISO 9001:2008 certification for its systematic approach to quality. The construction of the geotextile makes **TPG315** ideal for soil separation and stabilization. It is resistant to commonly encountered soil chemicals, mildew and insects and is non biodegradable. **TPG315** conforms to the property values listed below:

PROPERTY	TEST METHOD	VALUE	ENGLISH UNITS		METRIC UNITS	
<b>MECHANICAL</b>						
Grab Tensile Strength (MD/CD)	ASTM D-4632	MARV	lbs	315/315	kN	1.4/1.4
Grab Elongation (MD/CD)	ASTM D-4632	MARV	%	15/15	%	15/15
Trapezoidal Tear (MD/CD)	ASTM D-4533	MARV	lbs	120/120	kN	0.53/0.53
WW Tensile Strength (MD/CD)	ASTM D-4595	MARV	lb/ft	2750/2750	kN/m	40/40
Puncture Strength	ASTM D-4833	MARV	lbs	140	N	620
Mullen Burst	ASTM D-3786	MARV	psi	700	kPa	4827
<b>HYDRAULIC</b>						
Apparent Opening Size (AOS)	ASTM D-4751	MaxARV	US Sieve	40	µm	420
Permittivity	ASTM D-4491	MARV	sec-1	0.102	sec-1	0.102
Permeability	ASTM D-4491	MARV	cm/sec	0.008	cm/sec	0.008
Water Flow Rate	ASTM D-4491	MARV	gpm/ft2	7.0	lt/(m <sup>2</sup> ×s)	5.0
<b>PHYSICAL</b>						
Mass/Unit Area	ASTM D-5261	MARV	oz/yd2	6.2	gr/m2	210
Thickness	ASTM D-5199	MARV	mils	35	mm	0.89
<b>ENDURANCE</b>						
UV Resistance	ASTM D-4355	MARV	%retained @500hr	>80	%retained @500hr	>80
<b>STANDARD PACKAGING</b>						
Roll Width	Measured	Typical	ft	17	m	5.2
Roll Length	Measured	Typical	ft	328	m	100
Roll Area	Calculated	Typical	yd2	622	m2	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 which calculated as the typical minus two standard deviations. Statistically, it 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.
- Percent grab tensile strength retained per hours of UV exposure following conditioning in accordance with ASTM D-4355

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 ISO 9001:2008  
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