



TerraTex HPG-57

High Performance Geotextile

TerraTex HPG-57 is a polypropylene woven fabric. This engineered geotextile is stabilized to resist degradation due to ultraviolet exposure. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non-biodegradable. Polypropylene is stable within a pH range of 2 to 13, making it one of the most stable polymers available for geotextiles today. TerraTex HPG-57 is manufactured to meet the following minimum average roll values:

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D 4595	kN/m (lbs/ft)	70 (4800)	70 (4800)
Tensile Strength (at 2% strain)	ASTM D 4595	kN/m (lbs/ft)	14.0 (960)	19.3 (1320)
Tensile Strength (at 5% strain)	ASTM D 4595	kN/m (lbs/ft)	35.0 (2400)	39.4 (2700)
Tensile Strength (at 10% strain)	ASTM D 4595	kN/m (lbs/ft)	70.0 (4800)	70.0 (4800)
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	1222 (30)	
Permeability	ASTM D 4491	cm/sec	0.05	
Permittivity	ASTM D 4491	sec ⁻¹	0.40	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.600 (30)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	80	
Physical Properties	Test Method	Unit	Typical Value	
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	475 (14.0)	
Roll Dimensions (width x length)		m(ft)	4.5 (15)x 91 (300)	
Roll Area		m ² (yd ²)	418 (500)	
Estimated Roll Weight		kg (lbs)	215 (475)	

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815 Buxton Street Winston Salem, NC 27101
 888 - 239 - 4539 • Fax: 336 - 747 - 1652
 www.hanesgeo.com info@hanesgeo.com