



TerraTex HPG-56

High Performance Geotextile

TerraTex HPG-56 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-56 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)	66.5 (4560)	70 (4800)
Tensile Strength (at 2% strain)	ASTM D 4595	kN/m (lbs/ft)	7.9 (540)	19.3 (1320)
Tensile Strength (at 5% strain)	ASTM D 4595	kN/m (lbs/ft)	22.8 (1560)	35.0 (2400)
Tensile Strength (at 10% strain)	ASTM D 4595	kN/m (lbs/ft)	61.3 (4200)	70.0 (4800)
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	82 (2)	
Permeability	ASTM D 4491	cm/sec	0.001	
Permittivity	ASTM D 4491	sec ⁻¹	0.025	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.43 (40)	
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)	441 (13.0)	
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)	202 (445)	

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