



# TerraTex HPG-105

## High Performance Geotextile

TerraTex HPG-105 is composed of high tenacity polyester multifilament yarns which are woven into a stable network such that the yarns retain their relative position. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non-biodegradable. TerraTex HPG-105 is manufactured to meet the following minimum average roll values:

				Minimum Average Roll Value	
Reinforcement Properties		Test Method		kN/m	lbs/ft
Ultimate Tensile Strength	MD	ASTM D 4595		105.0	7,200
Tensile Strength at 5% strain	MD	ASTM D 4595		37.9	2,600
Creep Reduced Strength	MD	ASTM D 5262		65.2	4,472
Long Term Design Strength (LTDS)	MD	GRI GT-7		50.7	3,475
UV Resistance (at 500 hours)		ASTM D 4355		65%	
Physical Properties		Test Method		Typical Value	
Roll Dimensions (width x length)		m (ft)		4.5 (15)x 91 (300)	
Roll Area		m <sup>2</sup> (yd <sup>2</sup> )		418 (500)	

RF Creep – 1.61  
 RF Durability – 1.10  
 RF Installation Damage- 1.17

1/2010