

PYRAMID GRID® BX50

BI-AXIAL PET GEOGRID



Titan's Pyramid Grid® BX50 is a flexible, lightweight biaxial PET geogrid specifically designed to reinforce retaining walls and slopes for landscaping applications. Titan Pyramid Grid® geogrids are manufactured with high molecular weight, high tenacity multifilament polyester yarns by a precision knitting process. The Titan Pyramid Grid® is dimensionally stable with uniform network of apertures providing significant tensile reinforcement capacity in two principal directions. The Pyramid Grid® is engineered to be mechanically and chemically stable, in both harsh construction installation phase and in aggressive soil environments. Titan Pyramid Grid® geogrids are biologically unaffected by soil micro-organisms. A black PVC saturation coating provides further chemical, mechanical, as well as ultraviolet protection.

TESTED PROPERTY		TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)	
				MD	XD
Ultimate Tensile Strength ⁽¹⁾	MD	ASTM D 6637	lbs/ft (kN/m)	3,427 (50.0)	3,427 (50.0)
Tensile Strength at 5% Strain	MD	ASTM D 6637	lbs/ft (kN/m)	1,350 (19.7)	1,350 (19.7)
Secant Modulus EA at 5% Strain	MD	ASTM D 6637	lbs/ft (kN/m)	27,005 (394)	27,005 (394)
Molecular Weight (min) ⁽²⁾	MD	GRI-GG8	g/mol	31,000	
Carboxyl End Group - CEG Count (Max)	MD	GRI-GG7	mMol/Kg	18	
Aperture Size ⁽³⁾⁽⁴⁾			inch (mm)	1.0 (25.4)	1.0 (25.4)
TYPICAL ROLL DIMENSIONS					
Roll Width ⁽⁴⁾		minimum	ft (m)	4.0 (1.2) 6.0 (1.8)	
Roll Length ⁽⁴⁾		minimum	ft (m)	50 (15.2) 150 (45.7)	

NOTES:

(1) Minimum Average Roll Values (MARV) Values – Calculated as (Mean minus 2X standard deviation)

(2) Average

(3) Nominal

(4) Typical – Standard roll lengths are shown; the products may be fabricated to custom lengths to suit the contractor's requirements.

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Titan Environmental Containment

Toll free: 1-866-327-1957 | info@titanenviro.com | TitanEnviro.com