

**Item#  
Geogrid**

# Mirafi® BXG 11

Mirafi® BXG 11 is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with PVC coating. Mirafi® BXG 11 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.



Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Tensile Strength (at ultimate)	ASTM D 6637	kN/m (lbs/ft)	29.2 (2000)	29.2 (2000)
Tensile Strength (at 1% strain)	ASTM D 6637	kN/m (lbs/ft)	4.3 (3000)	4.3 (300)
Tensile Strength (at 2% strain)	ASTM D 6637	kN/m (lbs/ft)	7.3 (500)	7.3 (500)
Tensile Strength (at 5% strain)	ASTM D 6637	kN/m (lbs/ft)	13.4 (920)	13.4 (920)
Tensile Modulus (at 1% strain)	ASTM D 6637	kN/m (lbs/ft)	437 (30000)	13.4 (30000)
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

Physical Properties	Test Method	Unit	Typical Value
Percent Open Area	COE CW-02215	%	70
Grid Aperture Size (MD)	--	mm (in)	25.4 (1.0)
Grid Aperture Size (CMD)	--	mm (in)	25.4 (1.0)
Mass / Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	340 (10)
Roll Dimensions (width × length)	--	m (ft)	4 (13.1) × 50 (164)
Roll Area	--	m <sup>2</sup> (yd <sup>2</sup> )	200 (239)
Estimated Roll Weight	--	kg (lbs)	81 (180)

**General Uses:**

- Structural Grid to support Infiltrator products in softer soils
- Soil stabilization for roads and retaining walls
- Aggregate reduction for stabilization



**Water & Wastewater**

- Systems
- Products
- Service

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