



Mirafi® BXG12

Mirafi® BXG12 geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns which are woven in tension and finished with a PVC coating. Mirafi® BXG12 geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CMD
Tensile Strength (at ultimate)	ASTM D6637	lbs/ft (kN/m)	2500 (36.5)	4500 (65.7)
Tensile Strength (at 1% strain)	ASTM D6637	lbs/ft (kN/m)	375 (5.5)	530 (7.7)
Tensile Strength (at 2% strain)	ASTM D6637	lbs/ft (kN/m)	625 (9.1)	840 (12.3)
Tensile Strength (at 5% strain)	ASTM D6637	lbs/ft (kN/m)	1000 (14.6)	1350 (19.7)
Tensile Modulus (at 1% strain)	ASTM D6637	lbs/ft (kN/m)	37500 (547)	53000 (773)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Typical Value
Percent Open Area (COE CW-02215)	%	70
Grid Aperture Size (MD)	in (mm)	1.0 (25.4)
Grid Aperture Size (CMD)	in (mm)	1.0 (25.4)
Mass/Unit Area (ASTM D5261)	oz/yd ² (g/m ²)	11.4 (386)
Roll Dimensions (width x length)	ft (m)	13.1 x 164 (4 x 50)
Roll Area	yd ² (m ²)	239 (200)
Estimated Roll Weight	lbs (kg)	200 (91)

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