

BX11FW (Biaxial Reinforcement Face Wrap) is a geogrid reinforcement manufactured with stress resistant polypropylene material. The geogrid is engineered to be both mechanically and chemically durable. The addition of carbon black makes our BX11FW UV stable for Reinforced Soil Slope (RSS) face wrap applications when encapsulating stone at the face of an RSS earth structure. Below are the Index Property test values.

Minimum Average Roll Values

	<u>MD Values</u>		<u>XMD Values</u>	
Ultimate Tensile Strength ASTM D6637-lb/ft (kN/m)	850	(12.4)	1,300	(19.0)
Tensile Strength at 2% Strain (kN/m)	280	(4.1)	450	(6.6)
Tensile Strength at 5% Strain (kN/m)	580	(8.5)	920	(13.4)
Junction Efficiency	93	%	93	%
Flexural Stiffness	250000	mg-cm	250000	mg-cm
Aperture Stability	3.2	kg-cm/deg	3.2	kg-cm/deg
Aperture Dimensions inches (mm)	1.0	(25)	1.3	(33)
Minimum Rib Thickness inches (mm)	0.03	(0.76)	0.03	(0.76)
Roll Size	246 ft (75 m)		9.8 ft (3 m)	
			267 sy (225 sm)	
Roll Weight			149 lbs (68 kg)	
Resistance to Installation Damage ASTM D5818 & D6637 SC-Clayey Sand SW-Well Graded Sand GP-Poorly Graded Gravel	95 % SC / 93% SW / 90% GP			
Resistance to UV Degredation (1) 1) Resistance to loss of load when subjected to 500 hrs of UV light - ASTM D4355	95%		95%	

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