

BX11BR (Biaxial Base Reinforcement) is a geogrid reinforcement for subsoils and roadway base materials to improve their long term stability in structural load bearing applications. BX11BR is manufactured with stress resistant polypropylene material. The geogrid is engineered to be both mechanically and chemically durable. 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) 358 sy (300 sm)	13.1 ft (4 m)
Roll Weight	198 lbs (90 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	

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