

# PRODUCT SPECIFICATIONS



## Nilex DuraGrid BX1200 Biaxial Geogrid

Nilex DuraGrid BX1200 is an integrally formed Biaxial Geogrid made from extruded polypropylene. It is resistant to commonly encountered soil chemicals, mildew and insects and is non-biodegradable. Nilex DuraGrid BX1200 is manufactured at a facility that has achieved ISO 9001:2008 certification for its systematic approach to quality. The primary applications for this product include base reinforcement, road construction, and subgrade stabilization. Technical data are based on statistical analysis on 95% confidence limit.

PRODUCT PROPERTIES				
Index Properties	Test Method	Units	MD Values	XMD Values
<b>Aperture Dimensions</b>				
Aperture Dimensions	Nominal	mm (in)	25 (1)	33 (1.3)
<b>Minimum Rib Thickness</b>				
Minimum Rib Thickness	Nominal	mm (in)	1.3 (0.05)	1.3 (0.05)
<b>Tensile Strength @ 2% Strain</b>				
Tensile Strength @ 2% Strain	ASTM D6637	kN/m (lb/ft)	6 (410)	9 (620)
<b>Tensile Strength @ 5% Strain</b>				
Tensile Strength @ 5% Strain	ASTM D6637	kN/m (lb/ft)	11.8 (810)	19.6 (1340)
<b>Ultimate Tensile Strength</b>				
Ultimate Tensile Strength	ASTM D6637	kN/m (lb/ft)	19.2 (1310)	28.8 (1970)
<b>Structural Integrity</b>				
<b>Junction Efficiency</b>				
Junction Efficiency	ASTM D6637 & D7737	%	93	
<b>Overall Flexural Stiffness</b>				
Overall Flexural Stiffness	ASTM D7748	mg-cm	750,000	
<b>Aperture Stability</b>				
Aperture Stability	ASTM D7864	m-N/deg	0.65	
<b>Durability</b>				
<b>Resistance to Installation Damage</b>				
Resistance to Installation Damage	ASTM D6637 & D5818	%SC / %SW / %GP	95 / 93 / 90	
<b>Resistance to Long Term Degradation</b>				
Resistance to Long Term Degradation	EPA 9090	%	100	
<b>Resistance to UV Degradation</b>				
Resistance to UV Degradation	ASTM D4355	%	100	
<b>Carbon Black</b>				
Carbon Black	ASTM D6103	%	2	
<b>Roll Dimensions</b>				
Roll Dimensions	Test Method	Units		
Standard Stocking Roll Size	Measured	3.93m (12.9')	50m (164')	
Special Order Roll Size	Measured	4.88m (16')	50m (164')	

### Notes

1. Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759
2. Nominal Dimensions.

Disclaimer: The information provided by Nilex is believed to be correct and is generally based on information supplied by the manufacturers of the product offered. Any recommendations made by Nilex concerning uses or applications of our products are also believed to be reliable; however, Nilex has no control over design execution, and field conditions of the project which incorporate the product. Nilex disclaims all warranties, expressed or implied, including, without limitation, the warranties of merchantability and/or fitness for a particular purpose.