

Nilex EasyGrid BX4040-4(NW150) Composite Geogrid

Nilex DuraGrid EasyGrid BX4040-4(NW150) is a composite geosynthetic consisting of a nonwoven geotextile bonded to our Nilex DuraGrid. This product combines the most advanced geogrid technology with the added functionality of a nonwoven geotextile for applications where site conditions require additional filtration and/or separation. It is manufactured at a facility that has achieved ISO 9001:2008 certification for its systematic approach to quality. Nilex EasyGrid allows strong mechanical interlock with the soil being reinforced, while the geotextile provides separation and filtration without preventing the soil geogrid interlock. Technical data are based on statistical analysis on 95% confidence limit.

PRODUCT PROPERTIES				
Index Properties	Test Method	Units	MD Values	XMD Values
Aperture Dimensions	Nominal	mm (in)	33 (1.3)	33 (1.3)
Minimum Rib Thickness	Nominal	mm (in)	2.3 (0.09)	1.5 (0.06)
Tensile Strength @ 2% Strain	ASTM D6637	kN/m (lb/ft)	16 (1097)	16 (1097)
Tensile Strength @ 5% Strain	ASTM D6637	kN/m (lb/ft)	30 (2056)	30 (2056)
Ultimate Tensile Strength	ASTM D6637	kN/m (lb/ft)	40 (2742)	40 (2742)
Structural Integrity				
Junction Efficiency	ASTM D6637 & D7737	%	95	
Overall Flexural Stiffness	ASTM D7748	mg-cm	3,500,000	
Aperture Stability	ASTM D7864	m-N/deg	0.9	
Durability				
Resistance to Installation Damage	ASTM D6637 & D5818	%SC / %SW / %GP	95 / 93 / 90	
Resistance to Long Term Degradation	EPA 9090	%	100	
Resistance to UV Degradation	ASTM D4355	%	100	
Carbon Black	ASTM D6103	%	2	
Nonwoven 4(NW150)				
Mass per Unit, Area, g/m2	ASTM D5261	N	150	
Grab Tensile Strength, N	ASTM D4632	N	525	
Trapezoidal Tear Strength, N	ASTM D4533	um	220	
Water Flow Rate, l/min/m2	ASTM D4491	sec-1	5500	
Roll Dimensions				
Standard Stocking Roll Size	Measured	3.93m (12.9')	45m (147')	

Notes:

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

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