

DATASHEET

Geogrid® - PE Uniaxial

Description:

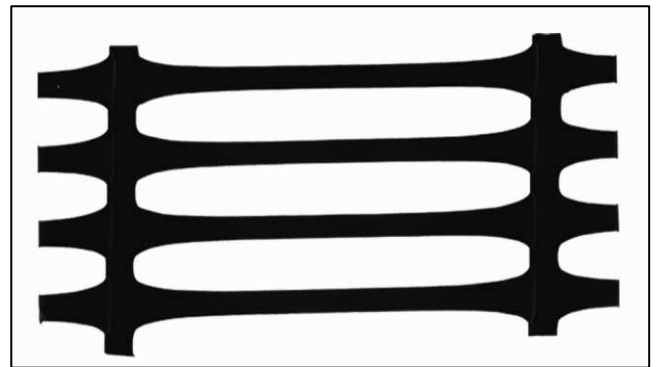
Uniaxial Geogrid is manufactured from High density Polyethylene. It is produced through the process of extruding, punching, heating and stretching.

Performance:

High tensile strength and low creep deformation

Applications:

Reinforcing for retaining wall / deck and steep slope, used in the highway / railway



Benefits: Improving bearing capacity of retaining wall/dam, extending the project life, reducing floor area, shortening construction period, reducing cost and maintaining expense.

Tested Properties	Test Method	Unit	60PE MD	80PE MD	120PE MD	160PE MD
Polymer			HDPE	HDPE	HDPE	HDPE
Minimum Carbon Black	ASTM D 4218	%	2	2	2	2
Tensile Strength at 2% Strain	ASTM D 6637	kN/m	16	23	35	47
Tensile Strength at 5% Strain	ASTM D 6637	kN/m	31	44	65	85
Ultimate Tensile Strength	ASTM D 6637	kN/m	60	80	120	160
Strain at Ultimate Strength	ASTM D 6637	%	10	10	10	10
UV Resistance	ASTM D 4355	%	98	98	98	98
Oxidation Resistance	EN ISO 13438	%	100	100	100	100

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