

# Egrid Uniaxial Geogrid 50R

## Description:

Egrid Uniaxial Geogrid is manufactured from HDPE and is produced by extrusion and stretching in the longitudinal direction.

## Performance:

High tensile strength, excellent interlocking capacity and low creep deformation.

## Applications:

- Retaining walls reinforcement
- Steep slope reinforcement
- Embankment stabilisation
- Landfill Side slope reinforcement

## Specifications

Index Properties		Units	MD Values
Polymer			HDPE
Minimum Carbon Black		%	2
Tensile Strength @ 2% strain		kN/m	12.7
Tensile Strength @ 5% strain		kN/m	24.7
Ultimate Tensile Strength		kN/m	54
Strain @ Ultimate Strength		%	11
Ultimate Creep for 120 years, 10 degrees C		kN/m	24.1
Ultimate Creep for 120 years, 20 degrees C		kN/m	21.7
Ultimate Creep for 120 years, 30 degrees C		kN/m	19.5
<b>Dimensions</b>			
Roll Width		m	1
Roll Length		m	50