



TECHNICAL DATA SHEET

EXTRUDED UNIAXIAL GEOGRID **UX1150**

DEFINITION AND TYPICAL APPLICATIONS

- Manufactured out of High Density Polyethylene (HDPE) sheets, and it is punched and drawn in one direction
- These geogrids are recommended as primary reinforcement on Mechanically Stabilized Earth Walls (MSEW) and Reinforced Soil Slopes (RSS)

SPECIFICATIONS

UNIAXIAL GEOGRID UX1150	PROPERTIES	TEST METHOD	UNIT	RESULTS	
	MATERIALS				
	Polymer	--	--	HDPE	
	Minimum carbon black	ASTM D 1603	%	2	
	STRENGTH				
	Tensile Strength @ 5% strain	ASTM D 6637	kN/m	31	
	Ultimate tensile strength	ASTM D 6638	kN/m	60	
	Junction strength	GRI-GG2-05	%	93	
	Flexural stiffness	ASTM D 1388	mg-cm	1,400,000.00	
	RESISTANCE				
UV degradation resistance	ASTM D 4355	%	98		
Oxidation resistance	EN ISO 13438	%	100		
REDUCTION FACTORS					
Reduction factor for installation damage (RF _{ID})	ASTM D 5818	--	1.02		
Reduction factor for creep for 114-years design life (RF _{CR})	ASTM D 5262	--	2.25		
Reduction factor for durability (RF _D)	ASTM D 5262	--	1		
GEOMETRY					
Roll width	--	m	1		
Roll length	--	m	100		

The information contained herein is, to the best of our knowledge, accurate in all material respects
Geopool Engineering Materials Co., Ltd