

POLYPROPYLENE UNIAXIAL GEOGRID EUG Series

PP Uniaxial Geogrid is made of the high molecular polymer after extruded and laminated and punched into regular mesh before longitudinal stretching. This process makes a high molecule in a direct line state in an oblong oval net structure with uniform distribution and high node intensity. This structure has rather high tensile strength and stretches modulus, especially our products of this kind have superior world-class tensile strength and stretch modulus with extensibility between 2% and 5%. The soil offers an ideal force-carrying and diffusing chain system. It has a large tensile strength (>150Mpa) and is suitable for different kinds of soil. It is a prevailing reinforcement material.

Product Specifications

PROPERTIES	UNIT	MINIMUM AVERAGE VALUE								
		EUG 40	EUG 50	EUG 80	EUG 100	EUG 120	EUG 150	EUG 200	EUG 240	EUG 300
Ultimate Tensile Strength	kN/m	40	50	80	100	120	150	200	240	300
Elongation	%	10								
Tensile strength at 2% strain	kN/m	10	11	13	29	35	39	55	65	90
Tensile strength at 5% strain	kN/m	21	25	44	55	65	77	110	132	182
Creep Limit Strength	kN/m	17	21	30	39	46	49	64	79	100
Minimum Carbon Black	%	2								
Roll Width	M	1 ~ 6								