

DK polyester geogrid

Product Specifications

AT THE CORE:

A biaxial geogrid engineered specifically for subgrade stabilization and base reinforcement.

Polyester geogrid is fabricated by the complex knitting process using high tenacity, high oriented polyester filament to provide superior engineering and long term design strength properties. BPM warp knitting polyester geogrid is specifically designed for improved tensile reinforcement capacity in two principle directions. Our warp knitting polyester geogrid is engineered to be mechanically and chemically stable and biologically unaffected by soil micro-organisms. It is used for both harsh construction installation phase and in soil reinforcement application where strength develops uni-axially which can provide further chemical, mechanical and ultraviolet protection.

Polyester Geogrid Technical Parameters

Biaxial Geogrid

Property		Test Method	PET 20-20	PET 30-30	PET 40-40	PET 50-50	PET 60-60	PET 80-80	PET 100-100	PET 110-110	PET 120-120	PET 150-150	PET 180-180	PET 400-400
Ultimate Tensile Strength (KN/m)	MD	EN ISO 10139	20	30	40	50	60	80	100	110	120	150	180	400
	CD		20	30	40	50	60	80	100	110	120	150	180	400
Elongation at Maximum Load (%)	MD		3											
	CD		3											
Approximate mesh size (mm)			12.7*12.7, 25.4*25.4, 40*40											
Roll width (m)			1-6m											
Roll Length (m)		50-200m												

Uniaxial Geogrid

Property		Test Method	PET 40-25	PET 50-35	PET 60-30	PET 80-30	PET 100-30	PET 120-30	PET 150-30	PET 180-30	PET 200-30	PET 300-30	PET 400-30	PET 500-30	PET 600-30
Ultimate Tensile Strength (KN/m)	MD	EN ISO 10139	25	35	30	30	30	30	30	30	30	30	30	30	30
	CD		40	50	60	80	100	120	150	180	200	300	400	500	600
Elongation at Maximum Load (%)	MD		3												
	CD		3												
Approximate mesh size (mm)			12.7*12.7, 25.4*25.4, 40*40												
Roll width (m)			1-6m												
Roll Length (m)		50-200m													

NOTES: This Information is provided for reference purposes only and is not intended as a warranty or guarantee. assumes no liability in connection with the use of this Information. Specifications subject to change without notice.