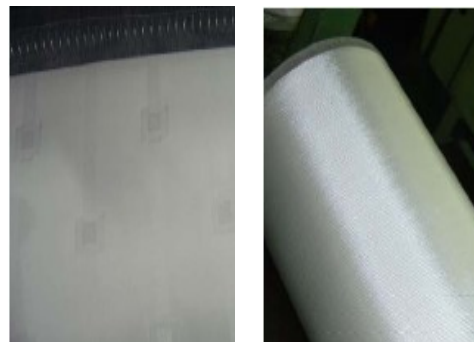


G-Text HWN Range Geotextile

Technical Data Sheet

GEO-LINK HWN Dec.11th, 2009

G-Text HWN have the advantage over conventional geotextiles in when they are subjected to load they can reach full tensile strength without undergoing the initial elongation associated with the straightening of the woven yarns. This allows immediate soil to geotextile load transfer. These geotextiles provide excellent creep performance and high tensile modulus. These geotextiles provide maximum performance for weak sub grades and offer a combination of high filtration, high strength and separation. A high frictional surface between the base course and the road is created with a high strength at low strain resulting in low vertical deformation. High strength woven geotextile has excellent filtration characteristics allowing for reductions in saturated fill and sub grades for soil reinforcement in applications including embankment stabilization, steepened slopes, retaining walls, lagoon closures and landfill lining systems



Physical Properties

Material	PET/PP
Color	White

Mechanical properties

	Unit	HWN 5-5	HWN 10-5	HWN 10-10	HWN 15-5	HWN 15-15	HWN 20-5	HWN 20-20	HWN 25-25	HWN 30-5	
Tensile Strength at break MD[ASTM D 4595]	KN/m	50	100	100	150	150	200	200	250	300	...1000
Tensile Strength at break CD[ASTM D 4595]	KN/m	50	50	100	50	150	50	200	250	50	
Elongation at break MD [ASTM D 4595]	%	<=15	<=15	<=15	<=15	<=15	<=15	<=15	<=15	<=15	<=15
Elongation at break CD [ASTM D 4595]	%	<=15	<=15	<=15	<=15	<=15	<=15	<=15	<=15	<=15	<=15

Hydraulic Properties

Flow rate [ASTM D 4491]	S ⁻¹	0.01-0.15
Pore opening size O ₉₀ [ASTM D 4751]	mm	0.07-0.50

Maximum width 3.8m, ordinary width 3.5m, Roll length is as per customer's instruction, from 100m-2000m

20' container loading quantity: 100/100KN/m, roll length 200m, width 3.6m, 32rolls, 23,040m² 200/200KN/m, roll length 100m, width 3.6m, 32rolls, 11,520m²,

Loading quantity of a 40' container is 3 times of 20' container but not exceeds 25MT container weight limit

Noted: elongation can meet <=12%, <=10%



GEO-LINK Geosynthetics CO., LTD

Room2209, B Yuanda Building, Zhongshan Dist., Dalian, China

TEL.: 86-411-83897853 Fax: 86-411-83895824

Web: www.Geo-textile.com Email: info@Geo-textile.com

