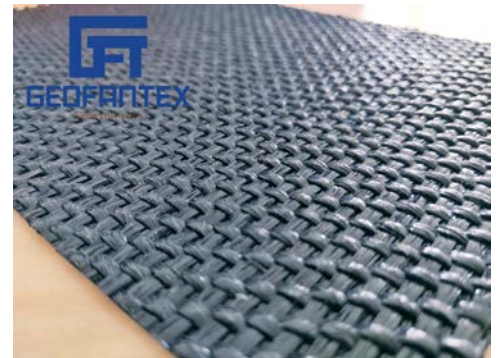


GeofanTex HWN Woven Geotextile

Technical Data Sheet

GEOFANTEX HWN Dec.11th, 2019

GEOFANTEX 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

PP

Color

BLACK

Mechanical properties

	Unit	HWN 285	HWN 385	HWN 340	HWN 430	HWN 540	HWN 850	HWN 870
Tensile Strength at break MD[ASTM D 4595]	KN/m	70	85	70	85	130	220	220
Tensile Strength at break CD[ASTM D 4595]	KN/m	60	90	80	105	120	200	210
Elongation at break MD [ASTM D 4595]	%	<=12	<=12	<=13	<=13	<=12	<=13	<=13
Elongation at break CD [ASTM D 4595]	%	<=8	<=8	<=9	<=8	<=8	<=8	<=8
Tensile Strength at 2% Strain MD[ASTM D 4595]	KN/m	14	15	9	14	20	12	10
Tensile Strength at 5% Strain MD[ASTM D 4595]	KN/m	38	42	26.5	38	80	95	88
CBR Burst Strength [ASTM D 6241]	KN	7	10	8.5	8	15	20	23
Sewn Seam Strength [ASTM D 4884]	KN/m				70	100	170	180
UV Resistance (at 500 hours) [ASTM D 4355]	%	90	90	90	90	85	85	85

Hydraulic Properties

Flow rate [ASTM D 4491]	L/m ² /s	35	42	58	50	40	18	15
Pore opening size O ₉₀ [ASTM D 4751]	mm	0.48	0.45	0.45	0.5	0.4	0.45	0.35

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. Geofantex Geosynthetics keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, Geofantex Geosynthetics does not warrant its accuracy or completeness. The only warranty made by Geofantex Geosynthetics for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by Geofantex Geosynthetics and customer. Geofantex Geosynthetics specifically disclaims all other warranties express or implied, including without agreed by Geofantex Geosynthetics and customer. Geofantex Geosynthetics specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.



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