

G-Tex® PP WN Series flat tape woven geotextile are woven geotextiles, made from high tenacity polypropylene yarns. It is versatile in such a way that it reinforces soft ground and embankment while securing the trafficability of heavy equipment on soft ground. WN Series have the name Ground Stabilization Geotextiles as it acts as a great separation for sand layer and soft ground, and provides prevention of uneven settlement of soft ground.

Features: High strength at low elongation, high modulus, Separation and reinforcement, improve the performance of paved and unpaved roads.

Applications: Parking lots, driveways, construction site accesses, marine and coastal constructions.

Properties (Standard)	Value Type	Unit	WN20	WN40	WN50	WN80	WN105	WN140	WN160
Mechanical Properties									
Tensile strength, MD [ASTM D 4595]	Typical	kN/m	20	40	50	80	105	140	160
Tensile strength, CD [ASTM D 4595]	Typical	kN/m	15	28	35	56	72	100	110
Elongation, MD/CD [ASTM D 4595]	Typical	%	18	18	18	18	18	18	18
Width Deviation	Typical	%	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
CBR Burst Strength [ASTM D 6241]	Typical	kN	1.60	3.20	4.00	6.00	7.50	10.50	12.00
Trapezoidal Tear [ASTM D 4533]	Typical	kN	0.20	0.34	0.41	0.60	0.72	0.96	1.10
Water Flow Rate [ASTM D 4491]	Typical	l/min/m ²	≥160	≥120	≥105	≥85	≥60	≥40	≥30
Permittivity [ASTM D 4491]	Typical	sec ⁻¹	≥1.60	≥1.20	≥1.05	≥0.85	≥0.60	≥0.40	≥0.30
Apparent Opening Size [ASTM D 4751]	Typical	mm	≤0.41	≤0.32	≤0.25	≤0.20	≤0.15	≤0.12	≤0.10
UV Resistance [ASTM D 4355] (% retained after 500 hours)	Typical	%	70	70	70	70	70	70	70
Physical Identification Properties									
Roll Width	Typical	m(≤)	5.85	5.85	5.85	5.85	3.81	3.81	3.81
Roll Length	Typical	m	Determined according to the customized specifications						
Approx Load Q'ty / 40' HQ	-	Rolls(≥)	Determined according to the customized specifications						
	-	Sq. m	Determined according to the customized specifications						

Above the values listed are the average values, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GeoTrans 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, GeoTrans does not warrant its accuracy or completeness. The only warranty made by GeoTrans 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 GeoTrans and customer. GeoTrans specifically disclaims all other warranties express or implied, including without agreed by GeoTrans and customer. GeoTrans specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or rising from provision of samples, a course of dealing or usage of trade.



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