

GeofanTex WNs Range

Technical Data Sheet

GeofanTex WNs Jan. 2018

GeofanTex WNs (Polypropylene woven geotextile) is made of polypropylene filaments using the latest in woven technology. PP offers excellent resistance to extreme pH conditions in groundwater and microbiological attack. Our PP woven geotextiles offer exceptionally high tensile strength from comparatively low amounts of raw material. This enables these products to offer extremely cost effective reinforcement. Such products are typically used for:



- **ground stabilisation works**
- **temporary structures and working platforms**

Mechanical Properties

Item	Unit	Specifications							
		WNs 015	WNs 022	WNs 028	WNs 035	WNs 042	WNs 056	WNs 070	Note
Tensile Strength MD [ASTM D 4595]	KN/m >=	20	30	40	50	60	80	100	
CD Tensile Strength [ASTM D 4595]	KN/m >=	15	22	28	35	42	56	70	
Tensile Elongation [ASTM D 4595]	% < =	25						MD/CD Average	
Widths windage	%	-1.0							
CBR Resistance [ASTM D 6241]	Puncture KN>=	1.6	2.4	3.2	4.0	4.8	6.0	7.5	
Pore Size O ₉₀ (O ₉₅) [ASTM D 4751]	mm	0.08-0.5							
Vertical Permeability [ASTM D 4491]	cm/s	K x (10 ⁻¹ -10 ⁻³)						K=1.0-99	
UV Resistance Strength retention [ASTM D 4355]	% > =	70(500h)							
Tear Strength [ASTM D 4533]	KN>=	0.3	0.45	0.5	0.6	0.75	1.0	1.2	MD/CD Average
Physical Identification Properties									
Mass per unit area	g/m ²	120	160	200	240	280	340	400	
warp	%	± 10							
Roll Width	m(≥)	5.95	5.95	5.95	5.95	5.95	5.95	5.95	
Approx. Loading Q'ty Per 40' HQ	Sqmts	193,375	156,190	115,280	100,405	92,970	70,655	59,500	

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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