



# **GEOTEXTILE**

**(SEPARATION & FILTRATION)**

[www.fw-nicol.com](http://www.fw-nicol.com)

Singapore • Philippines • Bangladesh • Sri Lanka

# SPECIFICATIONS

PROPERTIES	UNIT	TEST METHOD	GF15	GF20	GF25	GF30	GF35	GF40	GF50	GF60	GF80
Mass Per Unit Area	g/m <sup>2</sup>	ISO 9864	150	200	250	300	350	400	500	600	800
Thickness(2Mpa)	mm	ISO 9863	1.2	1.6	1.9	2.2	2.5	2.8	3.4	4.2	5.5
Tensile Stregth(CD/MD)	KN/m	ISO 10319	7.5	10.0	12.5	15.0	17.5	20.5	25.0	30.0	40.0
Elongation	%	ISO 10319	40-80								
Trapezoidal Tear(CD/MD)	N	ISO 9037.4	210	280	350	420	480	540	660	790	1020
CBR Puncture	KN	ISO 12236	1.6	1.9	2.4	2.9	3.4	3.9	5.3	6.4	7.9
Vertical Permeability	cm/s	ISO 11058	K×(10 <sup>-4</sup> ~ 10 <sup>-3</sup> ) K=1.0 ~ 9.9								
Opening size O <sub>95</sub>	mm	ISO 12956	0.07 ~ 0.2								
Physical Characteristic	100% Polyester, non-woven needle punched										
UV Resistance	ISO 4892.2		Tensile Strength Retention > 70% after 500 hours Puncture Strength retention > 70% after 500 hours								

# NOMINAL DIMENSIONS

Roll Width	m	4	4	4	4	4	4	4	4	4
Roll Length	m	200	150	120	100	85	75	60	50	40



Our non-woven, needle-punched polyester geotextile is made of continuous filament fiber. On request, it can be manufactured to withstand UV light and it is resistant to acid, alkali, and aggressive bacteria in soils. It is specially designed and produced to provide optimum physical and hydraulic properties suitable for road, railway, airport, landfill, and other construction projects.

FW Nicol geotextile can be used as Drainage Filter. It can also act as a separator between two layers of soil with different particle size and properties. We also have high performance geotextile which are stitched into bags or sacks filled with sand or other infill materials for coastal protection.

**QUALITY PRODUCTS • AFFORDABLE PRICES • RELIABLE AFTERSALES**

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