



## NEXFORCE NF Series

## HS Woven

Properties of NexForce NF Series

Version: 2015/07/NF/2.1

Property	Test Standard	Unit	NF100-50	NF150-50	NF200-50	NF300-50	NF400-50	NF600-50	NF800-50
<b>Physical Properties</b>									
Area / roll		m <sup>2</sup> /roll	540	540	540	540	540	540	540
Width		m	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Fibre Identification			High Strength Woven Polyester						
Colour			White	White	White	White	White	White	White
<b>Mechanical Properties</b>									
Tensile Strength (MD/CD)	ASTM D4595	kN/m	≥ 100 / ≥ 50	≥ 150 / ≥ 50	≥ 200 / ≥ 50	≥ 300 / ≥ 50	≥ 400 / ≥ 50	≥ 600 / ≥ 50	≥ 800 / ≥ 50
Tensile Strength @5% Strain (MD)	ASTM D4595	kN/m	50	75	100	150	-	-	-
▶Elongation @break (MD)	ASTM D4595	%	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
▶Elongation @break (CD)	ASTM D4595	%	≤ 12	≤ 12	≤ 12	≤ 12	≤ 12	≤ 12	≤ 12
CBR Puncture Resistance	ASTM D6241	N	4,000	6,000	7,000	8,000	10,000	12,000	-
<b>Hydraulic Properties</b>									
Vertical Water Flow @50mm Head	ASTM D4491	l/m <sup>2</sup> /s (mm/s)	1.5	1.5	1.5	5	5	5	2.5
Permitivity	ASTM D4491	sec <sup>-1</sup>	0.03	0.03	0.03	0.1	0.1	0.1	0.05
Apparent Opening Size (O <sub>95</sub> )	ISO 12956	µm	75	75	75	150	150	150	n/a

### Methods

Bonding

Weaving

Note:

\*- MD - Machine Direction

\*- CM - Cross Machine Direction