



## NEXTILES NX Series

## Non-Woven

Properties of Nextile NX Series

Version: 2015/07/NX/2.1

Property	Test Standard	Unit	NX100	NX200	NX300	NX400	NX500	NX600	NX700	NX800
<b>Physical Properties</b>										
Area / Roll		m <sup>2</sup> /roll	1000	900	800	700	540	500	400	360
Mass / Area	ASTM D3776	g/m <sup>2</sup>	≥ 150	≥ 160	≥ 180	≥ 200	≥ 270	≥ 300	≥ 340	≥ 360
Thickness	ASTM D1777	mm	≥ 1.3	≥ 1.6	≥ 1.8	≥ 2.1	≥ 2.4	≥ 2.6	≥ 2.8	≥ 3.1
<b>Mechanical Properties</b>										
Tensile Strength (MD)	ISO 10319	kN/m	≥ 10	≥ 12	≥ 14	≥ 17	≥ 20	≥ 22	≥ 25	≥ 28
- Elongation (MD/CD)	ISO 10319	%	50-80	50-80	50-80	50-80	50-80	50-80	50-80	50-80
Grab Strength (MD/CD)	ASTM D4632	N	≥ 750	≥ 800	≥ 1000	≥ 1100	≥ 1400	≥ 1500	≥ 1800	≥ 2050
- Elongation (MD/CD)	ASTM D4632	%	50-90	50-90	50-90	50-90	50-90	50-90	50-90	50-90
CBR Puncture	ISO 12236	N	≥ 1500	≥ 1750	≥ 2100	≥ 2400	≥ 3100	≥ 3500	≥ 4000	≥ 4250
<b>Hydraulic Properties</b>										
Vertical Water Flow @ 50mm Head	ASTM D4491	l/m <sup>2</sup> /s (mm/s)	≥ 90	≥ 85	≥ 78	≥ 76	≥ 62	≥ 60	≥ 56	≥ 53
Apparent Opening Size (O <sub>95</sub> )	ISO 12956	µm	≤ 105	≤ 105	≤ 105	≤ 100	≤ 100	≤ 100	≤ 95	≤ 95
<b>Methods</b>										
Bonding	Spun-bond, Needle punched									

Note:

- MD = Machine Direction

- CD = Cross Machine Direction