

Technical Indexes of Polyester Staple Fiber Nonwoven Geotextile

No.	Technical Index	Unit	2.5kN/m	4.5kN/m	6.5kN/m	9.5kN/m	12.5kN/m	16.0kN/m	19.0kN/m	25.0kN/m
1	Longitudinal and transverse tensile break strength	kN/m	≥2.5	≥4.5	≥6.5	≥9.5	≥12.5	≥16.0	≥19.0	≥25.0
2	Longitudinal and transverse elongation at break	%	25%-100%							
3	Longitudinal and transverse trapezoidal tearing strength	kN	≥0.08	≥0.12	≥0.16	≥0.24	≥0.33	≥0.42	≥0.46	≥0.60
4	CBR bursting strength	kN	≥0.3	≥0.6	≥0.9	≥1.5	≥2.1	≥2.7	≥3.2	≥4.0
5	Longitudinal and transverse gripping strength	kN	≥0.18	≥0.26	≥0.34	≥0.50	≥0.70	≥0.95	≥1.10	≥1.30
6	Thickness	mm	≥0.9	≥1.3	≥1.7	≥2.4	≥3.0	≥3.6	≥4.1	≥5.0
7	Equivalent opening size O_{95}	mm	0.07-0.20							
8	Vertical permeability coefficient	cm/s	$1.0 \times 10^{-1} - 1.0 \times 10^{-3}$ cm/s							
9	UV resistance strength retention rate	%	≥80%							
10	Mass per unit area	g/m ²	≥100	≥150	≥200	≥300	≥400	≥500	≥600	≥800
11	Mass per unit area deviation	%	±5%			±4%		±3%		
12	Width deviation	%	±0.5%							