

Polypropylene Short Fiber Nonwoven Geotextile Technical Specifications

No.	Technical Index	Unit	5kN/m	8kN/m	11kN/m	20kN/m	24kN/m	28kN/m	34kN/m	50kN/m
1	Longitudinal and transverse tensile break strength	kN/m	≥5.0	≥8.0	≥11.0	≥20.0	≥24.0	≥28.0	≥34.0	≥50.0
2	Longitudinal and transverse elongation at break	%	50%-90%							
3	Longitudinal and transverse trapezoidal tearing strength	kN	≥0.15	≥0.24	≥0.35	≥0.42	≥0.50	≥0.58	≥0.65	≥0.90
4	CBR bursting strength	kN	≥1.0	≥1.7	≥2.5	≥3.5	≥4.3	≥5.3	≥6.2	≥7.0
5	Longitudinal and transverse gripping strength	kN	≥0.30	≥0.60	≥0.90	≥1.30	≥1.70	≥2.0	≥2.40	≥3.00
6	Thickness	mm	≥1.2	≥1.6	≥1.8	≥2.4	≥2.8	≥3.0	≥3.2	≥3.4
7	Equivalent opening size O_{95}	mm	0.07-0.20							
8	Vertical permeability coefficient	cm/s	$\leq 2.0 \times 10^{-1}$							
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%							