



Non-woven Needle Punched Geo-textile Product Range
Technical Specification

Parameter	Test Standard	Unit	BJ150	BJ180	BJ200	BJ250	BJ300	BJ350	BJ400	BJ450	BJ500	BJ600
Weight	ASTM03776	gsm	150	180	200	250	300	350	400	450	500	600
Thickness at 2kPa	ASTM01777	mm	1.0	1.5	2.0	2.3	2.5	3.0	3.3	3.5	3.8	4.0
Effective Opening Size (EOS)	ASTM04751	mm	0.14	0.12	0.11	0.10	0.09	0.08	0.08	0.08	0.07	0.06
Index Puncture Resistance	ASTM04833	N	250	310	400	490	550	590	635	740	820	900
Vertical Permeability at 2kPa and 200C	0IN5396	10-3m/s	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Horizontal Permeability at 2kPa and 200C	0IN5396	10-3m/s	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Grab Tensile Strength	ASTM04632	N	450	550	800	1,050	1,300	1,650	1,700	1,800	2,000	2,200
Grab Tensile Elongation	ASTM04632	%	75/50	75/40	75/40	75/40	80/45	80/45	80/45	80/45	85/50	85/50
Strip Tensile Strength	ASTM04595	kN/m	5	9	12	16	20	25	27	30	32	35
Strip Tensile Elongation	ASTM04595	%	80/50	80/45	80/45	80/45	85/50	85/50	85/50	85/50	90/55	90/55
CBR Puncture Resistance	0IN54307	N	600	1,500	2,000	2,500	3,000	4,200	4,400	4,650	5,000	6,000