

ALYAF XS RANGE

The EXCEL range needle-punched & thermally bonded polypropylene nonwoven geotextiles



	PROPERTY	TEST METHOD	UNITS	XS 20	XS 22	XS 23+	XS 25	XS 28	XS 30	XS 35	XS 38	XS 43	XS 60
MECHANICAL	Tensile Strength (CD)	EN ISO 10319	kN/m	8.2	10	11	12	15	17	20	22	26	38
	Tensile Strength (MD)	EN ISO 10319	kN/m	8.2	10	11	12	15	17	20	22	26	38
	Elongation (CD / MD)	EN ISO 10319	%	50/50	50/50	50/45	50/45	50/45	50/45	50/50	55/50	55/50	55/50
	CBR Puncture Resistance	EN ISO 12236	N	1350	1650	1800	2000	2400	2800	3500	4000	4350	6000
	Dynamic Cone Drop	EN 918	mm	40	30	28	25	22	19	17	15	11	9
HYDRAULIC	Permeability	EN ISO 11058	m/s.10 ⁻³	110	105	100	100	95	90	80	60	48	32
	Flow Rate	EN ISO 11058	l/m ² /s	110	105	100	100	95	90	80	60	48	32
	Opening Size	EN ISO 12956	microns	140	100	100	110	100	90	70	70	68	65
PHYSICAL	Thickness	EN ISO 9863 -1	mm	0.90	1.00	1.15	1.25	1.50	1.55	1.85	1.9	2.1	3.20
	Weight	EN ISO 9864	g/m ²	100	120	135	150	180	200	250	280	330	500
	Roll Width	nominal	meters	6	6	6	6	6	6	6	6	6	6
	Roll Length	nominal	meters	200	200	200	200	200	100	100	100	100	100

1. ALYAF geotextiles are non-biodegradable, have excellent resistance to chemicals and salts normally present in the soil.
2. ALYAF geotextiles have excellent UV resistance and exhibit strength retention of 70% on test for weathering resistance to EN 12224. ALYAF geotextiles are delivered in opaque PE wrap for protection against UV-rays during transit and storage. The recommended maximum time of exposure to direct sunlight is 15 days.
3. Values reported in this data sheet are indicative average results obtained in our laboratory and independent testing laboratories. The right is reserved to make changes at any time without notice.



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