

# ALYAF XP RANGE

The **EXCEL** range of polypropylene nonwoven needle-punched geotextiles



	PROPERTY	TEST METHOD	UNITS	XP23	XP25	XP28	XP30	XP40	XP45	XP50	XP60	XP70	XP80	XP90	XP110	XP130
MECHANICAL	Tensile Strength (CD)	EN ISO 10319	kN/m	9	10.5	12.3	15	22	25	29	39	46	50	59	75	83
	Tensile Strength (MD)	EN ISO 10319	kN/m	8.5	9.0	11.4	13	20	24	28	35.5	41	45	54	60	70
	Elongation (CD / MD)	EN ISO 10319	%	60/55	60/55	60/55	65/60	65/60	65/60	65/60	70/65	70/70	70/75	80/80	75/80	75/80
	CBR Puncture Resistance	EN ISO 12236	N	1450	1700	2000	2500	3700	4200	4750	6000	6900	8000	9300	11000	12800
	Dynamic Cone Drop	EN 918	mm	27	23	20	18	12	10	9	7	6	3	2	0	0
HYDRAULIC	Permeability	EN ISO 11058	m/s.10 <sup>-3</sup>	105	100	95	90	75	70	60	49	44	40	36	30	20
	Flow Rate	EN ISO 11058	l/m <sup>2</sup> /s	105	100	95	90	75	70	60	49	44	40	36	30	20
	Opening Size	EN ISO 12956	microns	100	110	100	90	80	80	70	70	70	68	65	65	65
PHYSICAL	Thickness at 2 kPa	EN ISO 9863-1	mm	1.3	1.5	1.8	1.8	2.4	2.9	3.2	3.5	4.6	5.3	6.0	7.5	8.6
	Weight	EN ISO 9864	g/m <sup>2</sup>	130	150	180	200	300	350	400	500	600	700	800	1000	1200
	Roll Width	nominal	meters	6	6	6	6	6	6	6	6	6	6	6	6	6
	Roll Length	nominal	meters	200	200	100	100	100	100	100	100	100	75	75	50	50

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-ray 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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