



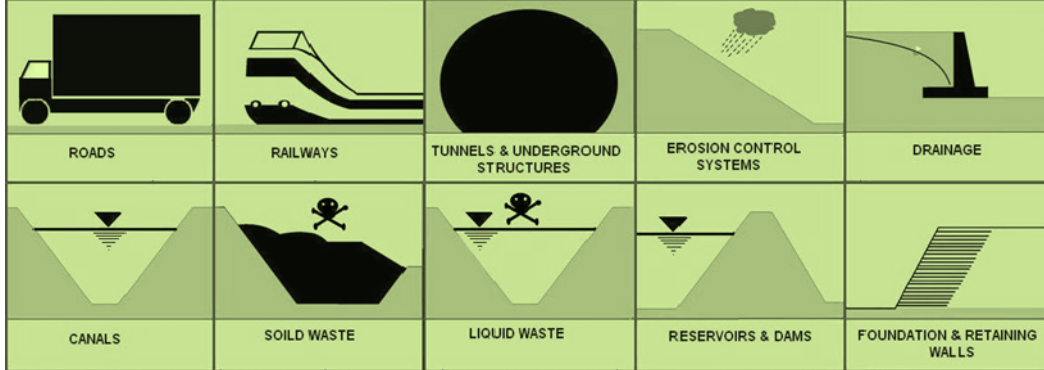
ALYAF A301 XL

Product Data Sheet -

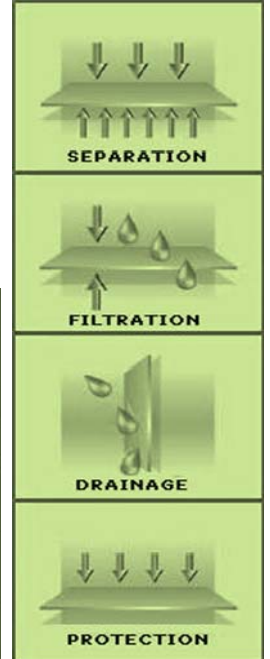
A1 XL Range

ALYAF A301 XL is a nonwoven Geotextile made from staple fibers, mechanically bonded by a needle punching process to produce a dimensionally stable network. The fibers used are 100% white polyester, ultra-violet resistant with 256°C melting point. ALYAF Geotextiles are manufactured according to Quality System procedures that have been assessed and certified in accordance to EN ISO 9001:2008.

APPLICATION AREAS:



FUNCTIONS



Properties		Test Method	Unit	Value
Tensile Strength	CD	EN ISO 10319	kN/m	11
Tensile Strength	MD	EN ISO 10319	kN/m	11
Elongation at break	CD / MD	EN ISO 10319	%	50 / 50
CBR Puncture		EN ISO 12236	N	1900
Dynamic Puncture		EN ISO 13433	mm	22
Permeability		EN ISO 11058	$10^{-3}ms^{-1}$	68
Flow rate normal to the plane		EN ISO 11058	$l/m^2/sec$	68
Opening Size (O_{90})		EN ISO 12956	microns	85
Thickness under 2kPa		EN ISO 9863-1	mm	1.8
Mass Per Unit Area		EN ISO 9864	g/m^2	200
Roll Width		nominal	meters	6
Roll Length		nominal	meters	100

Notes:

- ▶ ALYAF geotextiles are non-biodegradable, have excellent resistance to chemicals and salts normally present in the soil and are unaffected by prolonged contact with hydrocarbon such as gasoline and deisel.
- ▶ ALYAF geotextiles have excellent UV resistance and exhibit strength retention of 70% on test for weathering resistance to EN 12224.
- ▶ Values reported in this data sheet are the average results obtained in our laboratory and Independent testing institutions and are subject to manufacturing tolerances.
- ▶ The property values listed above are effective September' 2014.
- ▶ Engineered grades to meet specific project requirements are available upon request.
- ▶ Properties optimization and practical experience can make revisions necessary, the right is reserved to make changes without prior notice.

Corporate Member



International Geosynthetic Society

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Certified Quality Management



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