



FUNCTIONS

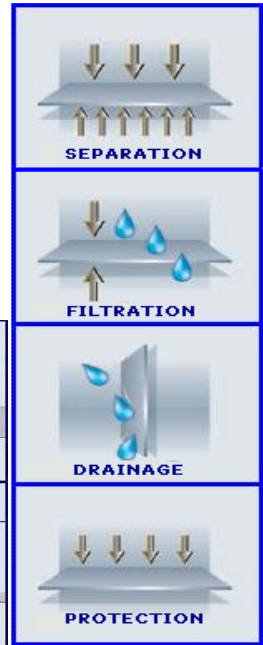
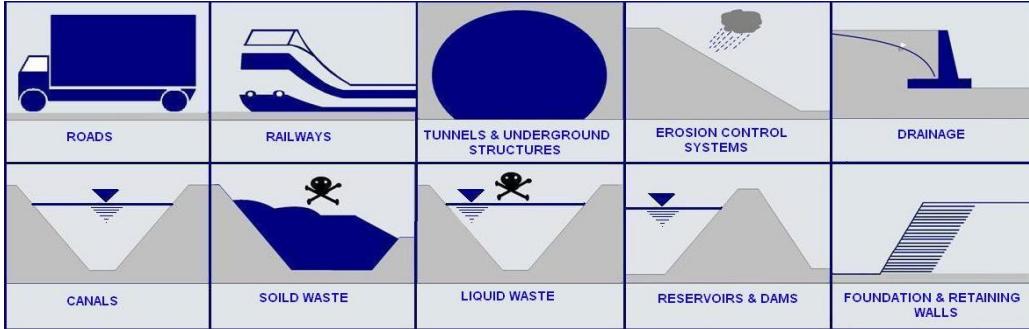
ALYAF A401

Product Data Sheet -

A1 Range

ALYAF A401 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:



Properties	Test Method	Unit	Value
Tensile Strength (CD)	EN ISO 10319	kN/m	17
Tensile Strength (MD)	EN ISO 10319	kN/m	11.2
Elongation at break (CD / MD)	EN ISO 10319	%	55 / 60
CBR Puncture	EN ISO 12236	N	2380
Dynamic Puncture	EN ISO 13433	mm	14
Permeability	EN ISO 11058	10^{-3}ms^{-1}	55
Flow rate normal to the plane	EN ISO 11058	$\text{l/m}^2/\text{sec}$	55
Opening Size (O_{90})	EN ISO 12956	microns	75
Thickness under 2kPa	EN ISO 9863-1	mm	2.8
Mass Per Unit Area	EN ISO 9864	g/m^2	300
Roll Width	Nominal	meters	3
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.

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Certified Quality Management



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