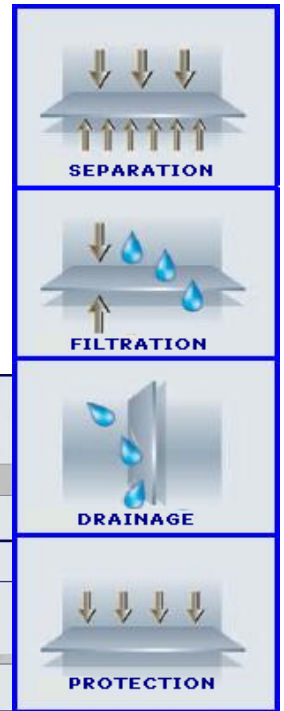


ALYAF XS32

Product Data Sheet -

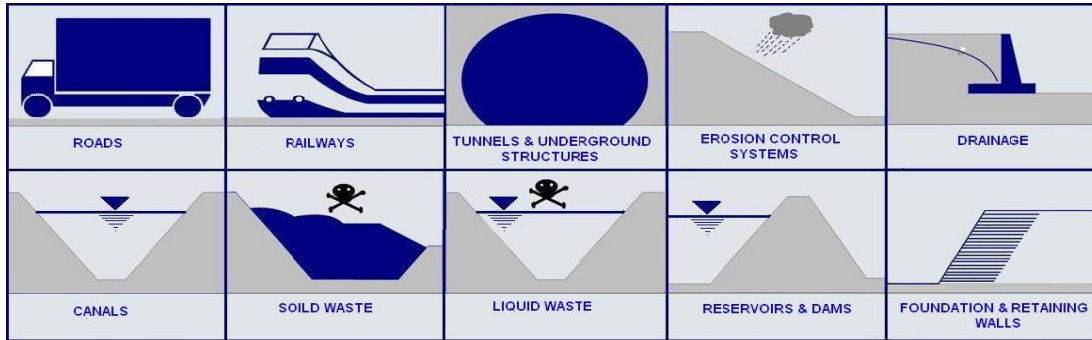
XS RANGE

FUNCTIONS



ALYAF XS32 is a nonwoven geotextile made from staple fibers mechanically bonded by a needle punching and thermally bonded process to produce a dimensionally stable network. The fibers used are 100% polypropylene ultra-violet stabilized. ALYAF geotextiles are manufactured, inspected and tested according to our Integrated Management System procedures that have been assessed and certified in accordance with ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018.

APPLICATION AREAS:



Properties		Test Method	Unit	Value
Tensile Strength	CD	EN ISO 10319	kN/m	17.8
Tensile Strength	MD	EN ISO 10319	kN/m	17.8
Elongation at break	CD / MD	EN ISO 10319	%	50 / 50
CBR Puncture		EN ISO 12236	N	3000
Dynamic Puncture		EN ISO 13433	mm	18
Permeability		EN ISO 11058	10^{-3}ms^{-1}	70
Flow rate normal to the plane		EN ISO 11058	$\text{l/m}^2/\text{sec}$	70
Opening Size (O_{90})		EN ISO 12956	microns	70
Thickness under 2kPa		EN ISO 9863-1	mm	1.60
Mass Per Unit Area		EN ISO 9864	g/m^2	220
Roll width		Nominal	m	6
Roll length		Nominal	m	100

Notes:

- ▶ ALYAF geotextiles are non-biodegradable, have excellent resistance to chemicals and salts normally present in the soil.
- ▶ 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'18.
- ▶ 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.