

ALYAF XS40

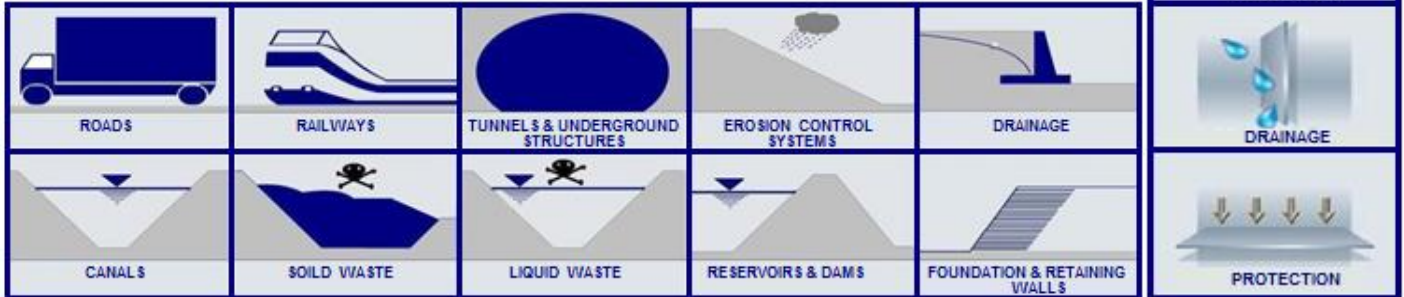
Product Data Sheet -

XS Range

ALYAF XS40 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:

FUNCTIONS



Properties		Test Method	Unit	Value
Tensile Strength	CD	EN ISO 10319	kN/m	24
Tensile Strength	MD	EN ISO 10319	kN/m	24
Elongation at break	CD / MD	EN ISO 10319	%	55 / 50
CBR Puncture		EN ISO 12236	N	4100
Dynamic Puncture		EN ISO 13433	mm	12
Permeability		EN ISO 11058	10 ⁻³ ms ⁻¹	50
Flow rate normal to the plane		EN ISO 11058	l/m ² /sec	50
Opening Size (O90)		EN ISO 12956	microns	65
Thickness under 2kPa		EN ISO 9863-1	mm	2.0
Mass Per Unit Area		EN ISO 9864	g/m ²	300
Roll width		Nominal	m	6
Roll length		Nominal	m	100

Note :

- ALYAF geotextiles are non-biodegradable, have excellent resistance to chemicals and salts present in the soil.
- These have excellent UV resistance and exhibit strength retention of 70% on test for weathering resistance to EN 12224.
- As an organization committed to the safe environmental practices we suggest our customers to dispose the used material and the wastes during installation through a certified agency as the material is recyclable.
- Engineered grades to meet specific project requirements are available upon request.
- Values reported in this data sheet are the average results obtained in our laboratory and Independent testing institutions effective May 2019 and are subject to manufacturing tolerances. Properties optimization and practical experience can make revisions necessary and the right is reserved to make changes without prior notice.
- This is not intended as warranty or guarantee and Alyaf Industrial Co. Ltd. assumes no liability in connection with the use of this information as the conditions of usage are beyond our control.

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س.ت ٢٥٥٠٠٢١٦٦٠ - ص.ب ١٠٧٣٧ ، الدمام ٣١٤٤٣ - المملكة العربية السعودية - تلفون: +٩٦٦ ١٣ ٨١٢ ١٢٠٦ (٦ خطوط) - فاكس: +٩٦٦ ١٣ ٨١٢ ١٨٣٦
C.R. 2050021660 - P.O. Box 10737 , Dammam 31443 - Kingdom of Saudi Arabia - Tel.: +966 13 812 1206 (6 Line), Fax: +966 13 812 1836

Website: www.alyaf.com
E-mail : info@alyaf.com

