



ACF AGTX2

Triaxial Geogrid for Subgrade Stabilization

TX Series

Technical Data Sheet

ACF AGTX2 geogrid is manufactured from a punched polypropylene sheet, then oriented in three equilateral directions. ACF AGTX2 geogrid is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. ACF AGTX2 is ideal for stabilizing soft soils and optimizing pavement designs. ACF AGTX2 utilizes triangular geometry to provide greater stiffness and stability. ACF AGTX2 geogrid reduces the applied vertical pressure of heavy loads at depth of aggregate by spreading the load over a wider area.

<u>Geogrid Property</u>	<u>Test Method</u>	<u>Typical Roll Value</u>	
		<u>Longitudinal</u>	<u>Diagonal</u>
Rib Pitch ¹		1.3 in	1.3 in
Rib Shape		Rectangular	
Percent Open Area	COE, CW02215	80%	
Rib Thickness ¹		0.05 in	0.045 in
Junction Thickness ¹		0.10 in	
Aperture Shape		Triangular	
Ribs per Node		6	
Resistance to UV Degradation ²	ASTM D4355	70%	
Resistance to Chemical Degradation ³	EPA9090	100%	
Junction Efficiency ⁴		90%	
Isotropic Stiffness Ratio ⁵		0.6	
Tensile Modulus ⁶	ASTM D6637	12.021 lb/ft @ 2% strain	
Roll Size (width x length)		12.5 ft x 328 ft	
Roll Area		456 yds ²	

¹Nominal Dimensions

²Resistance to loss of load capacity or structural integrity when subjected to 500 hrs of UV light and aggressive weathering in accordance with ASTM D4355

³Resistance to loss of load capacity or structural integrity when subject to chemically aggressive environments in accordance with EPA 9090 immersion testing

⁴Load transfer capability determined in accordance with ASTM D6637 and ASTM D7737 and recorded as a percentage of ultimate tensile strength

⁵The ratio between the minimum and maximum observed values of radial stiffness at 0.5% strain, measured on rib and halfway between rib directions

⁶Tensile modulus measured in any rib direction in accordance with ASTM D6637

Unless otherwise indicated, all values shown are minimum average roll values determined in accordance with ASTM D4759

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