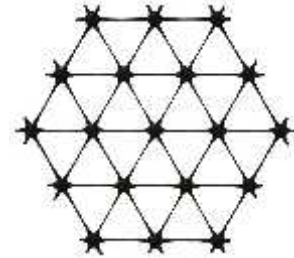


Product Specification - TriAx® TX196 FR Mining Grid

Tensor International Corporation reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance. Please contact Tensor International Corporation at 800-836-7271 for assistance.

Tensor TriAx® Geogrid

Product Type: Integrally Formed Triaxial Geogrid
Polymer: Polypropylene
Load Transfer Mechanism: Positive Mechanical Interlock
Primary Applications: Underground Mine and Tunnel Applications (Roof and Rib Control, Soft Bottom Reinforcement)



Product Properties

Index Properties	Units	MD Values ¹	Diagonal Values ¹	Transverse Values ¹
• Polypropylene Polymer		Group 1/Class 1/Grade 2 per ASTM D4101		
• Rib Pitch ²	mm (in)	60 (2.4)	60 (2.4)	
• Mid-Rib Thickness ²	mm (in)			
• Rib Shape is Rectangular				
• Aperture Shape is Triangular				

Structural Integrity

• Junction Efficiency ⁴	%	93	93	93
• Flexural Stiffness ⁵	mg-cm	1,000,000		1,000,000

Flammability Resistance

Flame Propagation ⁶	m (ft)	1.2 (4.0)	1.2 (4.0)	1.2 (4.0)
• Average Duration of Burning For Test Set ⁶	min	1.0	1.0	1.0
• Duration of Burning for Single Test ⁶	min	2.0	2.0	2.0

Notes

1. Unless indicated otherwise, values shown are minimum values or minimum average roll values determined in accordance with ASTM D4759. Brief descriptions of test procedures are given in the following notes. Complete descriptions of test procedures are available on request from Tensor International Corporation.
2. Nominal Dimensions.
3. Radial stiffness is determined from tensile stiffness measured in any in-plane axis from testing in accordance with ASTM D6637-10.
4. Load transfer capability, determined in accordance with ASTM D6637-10 and ASTM D7737-11, expressed as a percentage of ultimate tensile strength.
5. Resistance to bending force determined in accordance with ASTM D7748-12.
6. Flammability resistance determined from vertical and horizontal flame tests in accordance with 30 CFR, Part 7, Subpart A & B and ASTP5011 - Standardized Small Scale Flame Test Procedure for the Acceptance of Roof-Rib Grid.

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