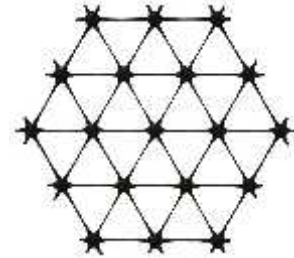


Product Specification - TriAx® TX196 FR Mining Grid

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
<ul style="list-style-type: none"> Polypropylene Polymer 		Group 1/Class 1/Grade 2 per ASTM D4101		
<ul style="list-style-type: none"> Rib Pitch² 	mm (in)	60 (2.4)	60 (2.4)	
<ul style="list-style-type: none"> Mid-Rib Thickness² 	mm (in)			
<ul style="list-style-type: none"> Rib Shape is Rectangular Aperture Shape is Triangular 				

Structural Integrity

<ul style="list-style-type: none"> Junction Efficiency⁴ 	%	93	93	93
<ul style="list-style-type: none"> Flexural Stiffness⁵ 	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)
<ul style="list-style-type: none"> Average Duration of Burning For Test Set⁶ 	min	1.0	1.0	1.0
<ul style="list-style-type: none"> Duration of Burning for Single Test⁶ 	min	2.0	2.0	2.0

Notes

- 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.
- Nominal Dimensions.
- Radial stiffness is determined from tensile stiffness measured in any in-plane axis from testing in accordance with ASTM D6637-10.
- Load transfer capability, determined in accordance with ASTM D6637-10 and ASTM D7737-11, expressed as a percentage of ultimate tensile strength.
- Resistance to bending force determined in accordance with ASTM D7748-12.
- 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.

Tensor International Corporation
2500 Northwinds Parkway, Suite 500
Alpharetta, Georgia 30009
Phone: 800-TENSAR-1
www.tensor-international.com

This specification supersedes any and all prior specifications for the product designated above and is not applicable to any product shipped prior to March 20, 2013. Tensor and TriAx are trademarks of Tensor International Corporation or its affiliates in the US and many other countries. TriAx® geogrid and the use thereof are protected by U.S. Patent No. 7,001,112. Patents or patent applications also exist in other countries. Final determination of the suitability of the above-mentioned information or product for the use contemplated, and its manner of use are the sole responsibility of the user. Tensor International Corporation disclaims any and all express, implied or statutory warranties, including but not limited to, any warranty of merchantability or fitness for a particular purpose regarding this product or the Company's other products, technologies or services. The information contained herein does not constitute engineering advice.