

HARD ROCK / SOFT ROCK MINING / TUNNELLING

TENSAR MESH

BIAXIAL GEO GRID MESH

DESCRIPTION

Tensar Biaxial Geogrid mesh is a stiff, monolithic geogrid mesh made from flame retardant polypropylene. The mesh has integral junctions that give strength in two directions and a rectangular rib cross-section with square edges. Geo grid mesh is integrally formed with positive mechanical interlock which results in high load transfer.

Mesh is available in rolls and can be cut to size at point of application. Available in black or white colour with UV inhibitor.

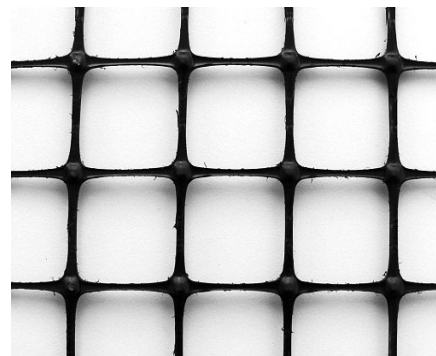


Figure 1 Tensar Mesh

APPLICATION AND USES

Primary use is roof and rib control and soft bottom reinforcement.

ADVANTAGES

- Flame retardant
- Hi tensile strength
- Flexible and can be cut to size onsite
- Lightweight

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work. All technical data sheets can be found on www.minovalglobal.com/apac

TECHNICAL DATA

Typical Properties	BX3326 MD Values
Aperture (mm) ²	46 x 51
Minimum Rib Thickness (mm) ²	1
Ultimate Tensile Strength (kN/m) ³	21.9
Tensile Modulus (kN/m) ³	321
Colorant and UV inhibitor content	2%
Junction Efficiency ⁴	90%
Flexural Stiffness (mg-cm) ⁵	600,000
Maximum Flame Propagation (m) ⁶	1.2
Material	Flame-retardant Polypropylene
Material Grade	Group 1/ Class 1/ Grade 2 per ASTM D4101

Notes

1. Unless indicated otherwise, values shown are minimum values or minimum average roll values determined in accordance with ASTM

D4759-02. Brief descriptions of test procedures are given in the following notes.

2. Nominal dimensions.

3. True resistance to elongation when initially subjected to a load determined in accordance with ASTM D6637-01 without deforming test materials under load before measuring such

resistance or employing "secant" or "offset" tangent methods of measurement so as to overstate tensile properties.

4. Load transfer capability determined in accordance with GRI-GG2-05 and expressed as a percentage of ultimate tensile strength.

5. Resistance to bending force determined in accordance with ASTM D5732-01, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs (as a "ladder"), and of length sufficiently long to enable measurement of the overhang dimension. The overall Flexural Stiffness is calculated as the square root of the product of MD and XMD Flexural Stiffness values.

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

PACKAGING AND TRANSPORTATION

Packed in rolls of 28m.

DISTRIBUTOR

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