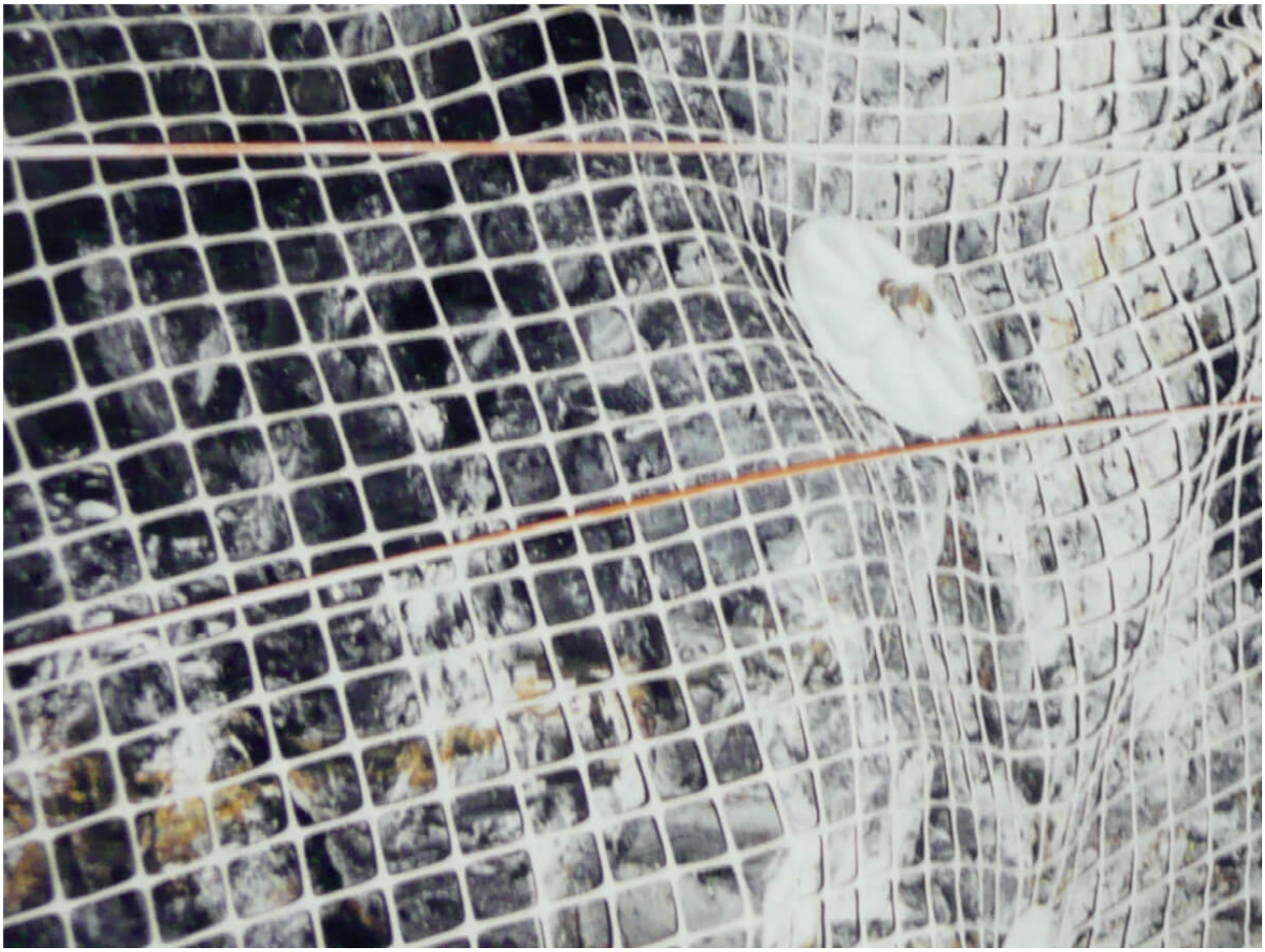
mastaGRID® Mining Grid FRAS 20kN 2m x 28m

Product Images



Short Description

mastaGRID® Mining Geogrids are made from punched and extruded polypropylene (PP) with an additional

FRAS (Flammability Resistance & Anti-Static) coating. An ideal substitute for traditional steel mesh and other non-FRAS coated materials in long wall mining applications.

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mastaGRID Mining Geogrids are an ideal substitute for traditional steel mesh and other non-FRAS coated materials in long wall mining applications such as:

- Long wall shield recovery screens
- Mine roof & rib control
- Temporary tunnel support
- Subgrade improvement

Applications:

- Recovery Screens
- Mine Rood
- Rib Control
- Temporary Tunnel Support
- Subgrade Improvement

Specifications

Index Properties	**Units**	**MD Values 1**	**TD Values 1**
Polymer		Polypropylene	
Aperture Dimensions2	mm(in)	61 (2.4)	
Minimum Rib Thickness2	mm(in)	1.4 (0.06)	
Ultimate Tensile Strength3	kN/m(lb/ft)	21.9 (1,500)	
Tensile Modulus3	kN/m(lb/ft)	380 (26,040)	
UV Stabilizer	%	Carbon Black	
Structural Integrity			

Junction Efficiency 4	%	90	
Flexural Stiffness 5	mg-cm	700,000	
Flammability Resistance 6			
Maximum Flame Propagation 6	m (ft)	1.2 (4.0)	1.2 (4.0)
Average Duration of Burning for Test Set 6	minute	1.0 (max)	1.0 (max)
Maximum Duration of Burning for Single Test 6	minute	2.0	2.0
Dimensions 7			
Roll Width	m	1.6 to 3.9 max	
Roll Length	m	28 to 100 max	

Note:
1. Unless indicated otherwise, values shown are minimum average roll values determinate in accordance with ASTM D4759-02.
2. Nominal Value(s).
3. True resistance to elongation when initially subjected to a load determined in accordance with ASTM D6637 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. Expressed as a comparison of GRI-GG2 strength to GRI-GG1 strength of the same sample.
5. Resistance to bending force determined in accordance with ASTM D1388 mod.
6. Flammability resistance determined from vertical and horizontal flame 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.
7. Roll widths of 1.5-3.9m and lengths of up to 100m are available to order.

Additional Information

CODE	GGM2000-2/28
U.O.M	Roll
Weight	250
Swatch	no_selection