

Mine-Shield Grid™ Roof80

High Strength PET Mining Grid (FRAS coated)



Mine-Shield Grid™ Roof80 is an innovative high-strength geogrid coated with durable FRAS (fire retardant anti-static coating) and is designed typically for mine roof applications. Corrosion resistant and light weight, this geogrid is manufactured with high-molecular weight, high-tenacity polyester yarns using a precision knitting process. It is dimensionally stable with a uniform aperture network that provides significant tensile reinforcement capacity in two directions. Featuring high tensile strength, stiffness and confinement, Mine-Shield Grid™ Roof80, works to effectively prevent rock intrusions from mine roofs and ribs. It is engineered to withstand both harsh construction and aggressive soil environments and is unaffected by soil micro-organisms.

PROPERTIES		TEST METHOD	UNIT MEASURE	VALUE METRIC
Ultimate Tensile Strength ⁽¹⁾	MD	ASTM D 6637	KN/m	80.0
	XD	ASTM D 6637	KN/m	80.0
Strain at Ultimate ⁽²⁾	MD	ASTM D 6637	%	13
	XD	ASTM D 6637	%	13
Secant Modulus EA at 5% strain ⁽¹⁾	MD	ASTM D 6637	KN/m	442.0
	XD	ASTM D 6637	KN/m	442.0
Flammability Resistance		UL-94 Modified		Passes
Anti-Static Resistance		MT141-2005		Passes
Aperture Size ^{(2) (3)}	MD	Nominal	mm	65
	XD	Nominal		65
Mass/Unit Area ⁽²⁾		ASTM D 5261	g/m ²	650
Roll Width		Minimum	m	5.0
Roll Length ⁽⁶⁾		Minimum	m	300.0

Notes: (1) Minimum Average Roll Values (MARV) Values- calculated as (Mean minus 2X standard deviation) (2) Average, (3) Aperture tolerance: within +/- 10% coefficient of variance) (4) Custom Length Orders can be accommodated.

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