

Heavy Duty

DESCRIPTION

ROCKGUARD[®] HD Pipeline Protection Mesh is an 11 mm, three dimensional bi-planar extruded diamond structured mesh rock shield manufactured from polyethylene.

Lightweight and ergonomically correct, **ROCKGUARD[®] HD** offers a consistent thickness throughout the width of each roll or pad to provide full protection to your pipeline during and after backfill operations.

APPLICATION

Rock shield for steel and plastic pipelines

ADVANTAGES

- Does not interfere with cathodic protection
- Excellent impact and compressive strengths
- Initial protection during handling and backfill operations
- Long term protection from geologic movement, pipeline vibration and future excavation
- Consistent 11 mm thickness throughout the roll or pad to provide full protection
- Uniform open mesh with channels designed to resist wicking and prevent water storage next to the pipe
- Chemically inert and will not rot
- Effective in all climates
- Flexible for easy handling even in extremely low temperatures
- Ergonomically correct light weight minimizes risk of injury and allows for quick, efficient installation
- Custom sized rolls and pads for every pipeline diameter

COVERAGES

- RockGuard[®]HD is available in rolls and pads
- Rolls are utilized for pipeline diameters up to 24" with a width equal to the pipeline circumference plus a minimum 6" overlap
- Standard rolls are 50' in length and do not exceed 105 pounds in weight. *This ergonomically correct light weight is a safety benefit and minimizes the risk of injury at the jobsite*
- Pads are utilized for pipelines with diameters greater than 24" with a width equal to the pipeline circumference plus a minimum 6" overlap
- Standard pad lengths are 72"

PHYSICAL PROPERTIES

Structure	Diamond Mesh
Polymer	Polyethylene
Color	Black
Thickness	0.44" (11mm)
Weight	0.34 lb /ft ²

TECHNICAL CHARACTERISTICS

MEASUREMENT	TEST METHOD	UNITS	MD RESULTS	TD RESULTS
Elongation @ Max. Strength	ASTM D 4595	%	103	91
Tensile Strength	ASTM D 4595	lbs/in	41	44
Tear Resistance	ASTM D 624	lbs	15.9	17.3
Low Temperature Brittleness	ASTM D 2136 MOD (-50C)	Pass/Fail	PASS	PASS
Compressive Strength	ASTM D 1621 MOD	psi	68.0 @ 50% Deformation	
Impact Strength	ASTM G14	in-lbs	127.1	
Melt Temperature	ASTM E 793 / E794		253.4°F / 123°C	
Cathodic Protection	Custom		No inhibiting effect	

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All the above information is given in good faith, but the figures are typical values only and should not be taken as a guarantee of performance. Manufacturing tolerances for dimensional and technical characteristics apply and are available upon request. The company reserves the right to improve the product and adjust the specification without notice.