

# RockGuard<sup>®</sup> HD

## PIPELINE PROTECTION MESH

### TECHNICAL DATA SHEET

1. **PRODUCT NAME**  
ROCKGUARD<sup>®</sup> HD

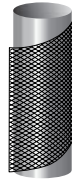
2. **COMPANY**  
Industrial Fabrics, Inc. 800-848-4500 (PHONE)  
510 O' Neal Lane 225-273-9600  
Baton Rouge, La 70819 225-273-0440 (FAX)

3. **PHYSICAL DESCRIPTION**

<b>PHYSICAL CHARACTERISTICS:</b>	
STRUCTURE	Diamond Mesh
POLYMER	Polyethylene
COLOR	Black
BLOWING AGENT	Yes
WIDTH	Up to 6' ± 1"
LENGTH	As required
THICKNESS	0.40" ± 0.02"
WEIGHT	0.32 lb/ft <sup>2</sup> ± 0.02 lb/ft <sup>2</sup>
APERTURE SIZE	0.16" x 0.16" nominal

<b>TECHNICAL CHARACTERISTICS:</b>		
MEASUREMENT	RESULTS	TEST METHOD
ELONGATION AT MAX STRENGTH (MD)	139%	ASTM D4595
ELONGATION AT MAX STRENGTH (TD)	110%	ASTM D4595
TEAR STRENGTH (MD)	15.0 lbs/in	ASTM D624
TEAR STRENGTH (TD)	16.2 lbs/in	ASTM D624
TENSILE STRENGTH	44.6 lbs / inch of width	ASTM D4595
IMPACT STRENGTH	141.9 inch / lbs.	ASTM G14 MOD spherical point
IMPACT RESISTANCE	No Failure at 6" rock	ASTM G13 MOD
COMPRESSIVE STRENGTH	90 psi for 50% compression	ASTM D1621
MELT TEMPERATURE	226.4° F / 108° C	ASTM E794
FREEZE DATA	No failure at -30° F / 180° Bend	CUSTOM
CATHODIC PROTECTION	No inhibiting effect	CUSTOM

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.



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### TECHNICAL DATA SHEET

(continued)

#### 4. **PRODUCT DESCRIPTION**

ROCKGUARD® HD is a three dimensional bi-planar extruded Diamond Structured Mesh. It offers a consistent thickness throughout the width of each roll or pad to provide full width protection to your pipeline during backfill operations. ROCKGUARD® HD also offers protection from abrasive objects after installation, prohibiting geologic movements from damaging your pipeline.

#### 5. **INSTALLATION**

ROCKGUARD® HD may be installed in pad or roll form, depending on pipe diameter.

Pads are to be wrapped around the pipe in a latitudinal fashion (Please see Installation Methods Section 5). All end to end overlaps shall be placed with an overlap of 2", and all pad overlaps shall be placed on the bottom side of the pipe with a 4" to 6" overlap.

Rolls can be applied longitudinally wrapped on all pipe 20" or less in diameter. (Please see Installation Methods Section 5). Simply place the roll on top of the pipe and unroll the product parallel to the pipe. Wrap the edges around the pipe with a 4" to 6" overlap. All ROCKGUARD® HD must be strapped to the pipe with a 3/4" polyester filament tape.

For smaller diameter pipe the "latitudinal wrap" method may be used. This method requires minimal overlap, and must be strapped to pipe with 3/4" polyester filament tape.

#### 6. **SIZE AVAILABILITY**

ROCKGUARD® HD is available in 3/8" thickness and in rolls to 72" wide. ROCKGUARD® HD can be produced in roll lengths to 300'. Pads can be produced in widths up to 72" to your custom specifications.

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