



# 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  
510 O' Neal Lane                            225-273-9600 (OFFICE)  
Baton Rouge, La 70819                    225-273-0440 (FAX)

3. **PHYSICAL DESCRIPTION**

| PHYSICAL CHARACTERISTICS: |              |
|---------------------------|--------------|
| STRUCTURE                 | Diamond Mesh |
| POLYMER                   | HDPE         |
| COLOR                     | Black        |

| DIMENSIONAL CHARACTERISTICS: |   |
|------------------------------|---|
| WIDTH                        | 5' and 6'   |
| LENGTH                       | 47 ft (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                             |

| TECHNICAL CHARACTERISTICS:      |                                  |                                 |
|---------------------------------|----------------------------------|---------------------------------|
| 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<br>spherical point |
| IMPACT RESISTANCE               | No Failure at 6" rock            | ASTM G13 MOD                    |
| COMPRESSIVE STRENGTH            | 155 psi @ 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.