



## VIPER<sup>®</sup> VAPORSCRIM 6

"VAPOR RETARDERS"

DIVISION

07 26 00

### 1 PRODUCT NAME

**PRODUCT NAME:** Viper<sup>®</sup> VaporScrim 6-mil  
Multi-Use Reinforced Vapor Retarder

### 2 MANUFACTURER

#### ISI BUILDING PRODUCTS

401 Truck Haven Road, East Peoria Illinois 61611  
Phone: 866.698.6562 / Fax: 309.698.0065 / www.isibp.com

### 3 PRODUCT DESCRIPTION

#### 3.1 BASIC USE

Viper VaporScrim 6-mil is a multi-use, polyethylene vapor retarder that incorporates a high-strength nylon reinforcing layer for use in applications that require a highly durable yet lightweight material. Applications include construction enclosures, temporary liners and covers, insulation membranes, shipping and packaging, asbestos abatements, fumigation covers, temporary walls/curtains, remediation covers and vapor retarders.

#### 3.2 COMPOSITION & MATERIALS

Viper VaporScrim 6-mil is a 3-ply vapor retarder with molten polyethylene bonding a nylon reinforcing layer between two sheets of low-density polyethylene. The high-strength nylon reinforcing layer is designed to enhance the strength characteristics of the film in order to prevent tears and punctures from rigorous construction environments.

#### 3.3 SIZE

Standard Sizes: 20', 24', 32', 40' x 100'. Other roll sizes and colors are available upon request.

#### 3.4 WEIGHT

Approximately 22 lbs/MSF

#### 3.5 FEATURES

- High Strength Nylon Reinforced Layer
- High Strength to Weight Ratio
- For Use in Multiple Applications
- Reusable
- Lightweight for Ease of Installation
- Inhibits Moisture / Vapor Transmission
- Wide Rolls Create Minimal Seams
- Molten Poly Bonding Prevents Delamination

### 4 TECHNICAL DATA

#### American Society for Testing & Materials (ASTM)

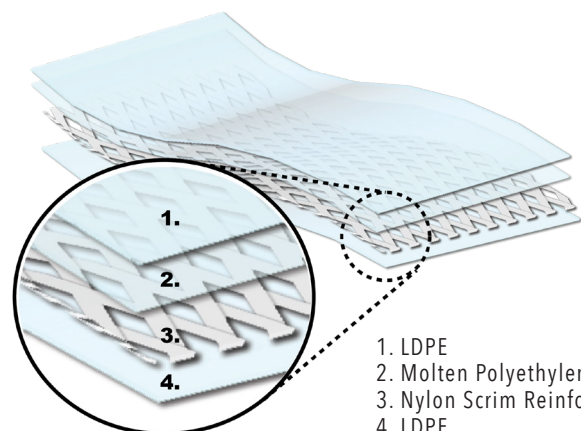
**ASTM D 882** Standard Test Method for Tensile Properties of Thin Plastic Sheeting

**ASTM D 5034** Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

**ASTM D 751** Standard Test Methods for Coated Fabrics

**ASTM F 1249** Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor

**ASTM E 84** Standard Test Method for Surface Burning Characteristics of Building Materials



1. LDPE
2. Molten Polyethylene
3. Nylon Scrim Reinforcing
4. LDPE

## 5 INSTALLATION

All installation instructions on architectural and/or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

## 6 AVAILABILITY AND COST

Viper VaporScrim is sold through construction supply houses across the United States and Canada. Current cost information can be obtained by calling our corporate sales office at 866.698.6562.

## 7 WARRANTY

Warranty information can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

## 8 MAINTENANCE

Requires no maintenance once installed.

## 9 TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling ISI Building Products toll free at 866.698.6562.

## 10 FILING SYSTEMS

Additional information can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

### PROPERTIES

### TEST METHOD

### RESULTS

THICKNESS (NOMINAL)		6-mil	0.15 mm
WEIGHT		22 lbs/MSF	107 GSM
TENSILE STRENGTH - ELONGATION	ASTM D 882	20% (MD), 38% (TD)	
GRAB TENSILE STRENGTH - ELONGATION	ASTM D 5034	1.2 % (MD), 7.5 % (TD)	
TRAPEZOID TEAR STRENGTH - ELONGATION	ASTM D 751	177 % (MD), 401 % (TD)	
TENSILE STRENGTH - YIELD STRESS	ASTM D 882	1,604 psi (MD), 648 psi (TD)	11,059 kPa (MD), 4,468 kPa (TD)
GRAB TENSILE STRENGTH - PEAK LOAD	ASTM D 5034	51 lbf (MD), 28 lbf (TD)	227 N (MD), 125 N (TD)
TRAPEZOID TEAR STRENGTH - PEAK LOAD	ASTM D 751	70 lbf (MD), 14 lbf (TD)	311 N (MD), 62 N (TD)
MULLEN BURST	ASTM D 751	130 psi	896 kPa
WATER VAPOR PERMEANCE	ASTM F 1249	0.022 perms	0.015 perms (metric)
*BURNING CHARACTERISTICS	ASTM E 84	"CLASS A"	
*FLAME SPREAD	ASTM E 84	5 (Class A)	
*SMOKE DEVELOPMENT	ASTM E 84	35 (Class A)	

\*VIPER VAPOR SCRIM 6 MEETS OR EXCEEDS THE FOLLOWING FIRE TESTING: 1). UL 723 2). ANSI / NFPA NO. 255 3). UBC NO. 8-1

### NOTE:

TO THE BEST OF OUR KNOWLEDGE, THE SPECIFICATION CHART LISTS TYPICAL PROPERTY VALUES AND ARE INTENDED AS GUIDES ONLY, NOT AS SPECIFICATION LIMITS. ISI BUILDING PRODUCTS MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, NO GUARANTEE OF SATISFACTORY RESULTS FROM RELIANCE UPON CONTAINED INFORMATION OR RECOMMENDATIONS AND DISCLAIMS ALL LIABILITY FOR RESULTING LOSS OR DAMAGE.

### ISI BUILDING PRODUCTS

AN AFFILIATE OF MEYER ENTERPRISES, LLC  
401 TRUCK HAVEN ROAD, EAST PEORIA ILLINOIS 61611  
PHONE: 309.698.0062 / FAX: 309.698.0065

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