



VIPER® VAPORSCRIM 10

"VAPOR RETARDERS"

DIVISION

07 26 00

1 PRODUCT NAME

PRODUCT NAME: Viper® VaporScrim 10-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 10-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 10-mil is a 5-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 42 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

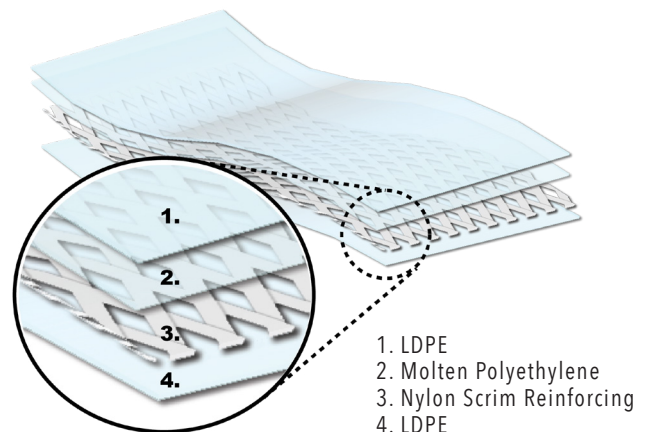
American Society for Testing & Materials (ASTM)

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



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.

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.

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.

PROPERTIES

TEST METHOD

RESULTS

THICKNESS (NOMINAL)		10-mil	0.254 mm
WEIGHT		42 lbs/MSF	205 GSM
TENSILE STRENGTH - ELONGATION	ASTM D 882	20% (MD), 59% (TD)	
GRAB TENSILE STRENGTH - ELONGATION	ASTM D 5034	1.1% (MD), 16.3% (TD)	
TRAPEZOID TEAR STRENGTH - ELONGATION	ASTM D 751	210% (MD), 251% (TD)	
TENSILE STRENGTH - YIELD STRESS	ASTM D 882	1,833 psi (MD), 628 psi (TD)	12,638 kPa (MD), 4,330 kPa (TD)
GRAB TENSILE STRENGTH - PEAK LOAD	ASTM D 5034	109 lbf (MD), 48 lbf (TD)	485 N (MD), 214 N (TD)
TRAPEZOID TEAR STRENGTH - PEAK LOAD	ASTM D 751	124 lbf (MD), 24 lbf (TD)	552 N (MD), 107 N (TD)
MULLEN BURST	ASTM D 751	222 psi	1,531 kPa
WATER VAPOR PERMEANCE	ASTM F 1249	0.0187 perms	0.0123 perms (metric)

NOTE:

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