



VAPOR SCRIM 6-MIL MULTI-USE VAPOR RETARDER

SPECIFICATION INFORMATION VAPOR RETARDERS DIVISION: 072600

1.0 PRODUCT NAME

VIPER® VAPOR SCRIM 6
Multi-Use Reinforced Vapor Retarder

2.0 MANUFACTURER



Insulation Solutions Inc.
401 Truck Haven Road
East Peoria, IL 61611

Engineering Assistance
Toll Free: 866-698-6562
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3.0 PRODUCT DESCRIPTION

3.1 Basic Use:

VIPER® VAPOR SCRIM 6 is a multi-use, reinforced, polyethylene vapor retarder. **VIPER® VAPOR SCRIM 6** 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® VAPOR SCRIM 6 is a 6-mil, vapor retarder with a nylon reinforcing layer. **VIPER® VAPOR SCRIM 6** is a 3-ply film using molten polyethylene to bond the nylon reinforcing layer between two sheets of high-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 & Packaging:

VIPER® VAPOR SCRIM 6 is available in 20 ft., 24 ft., 32 ft. and 40 ft. widths by 100 ft. in length. Each roll weighs approximately 22 pounds per thousand square foot. **VIPER® VAPOR SCRIM 6** is tightly wrapped around heavy duty cores for ease of shipping and handling.

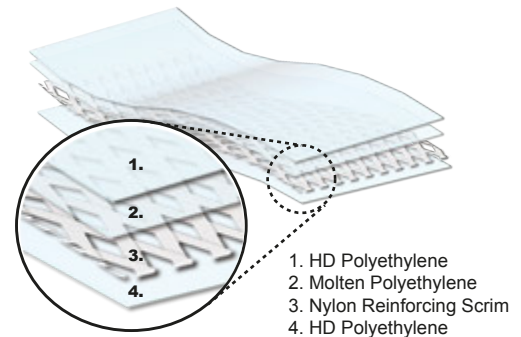
3.4 Features:

- High Strength Nylon Reinforced Layer
- Exceeds NFPA & IBC Class A Requirements
- 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

4.0 TECHNICAL DATA

4.1 Applicable Standards:

- *American Society for Testing & Materials (ASTM)*
- *National Fire Protection Association (NFPA)*
- **ASTM E 84** *Standard Test Method for Surface Burning Characteristics of Building Materials*
- **ASTM D 5034** *Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)*
- **ASTM F 1249** *Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor*
- **ASTM D 751** *Standard Test Methods for Coated Fabrics*
- **ASTM D 882** *Standard Test Method for Tensile Properties of Thin Plastic Sheeting*
- **UL 723** *Standard for Test for Surface Burning Characteristics of Building Materials*
- **NFPA 255** *Standard Method of Test of Surface Burning Characteristics of Building Materials*



PROPERTIES	TEST METHOD	VIPER® VAPOR SCRIM 6-MIL	
<i>Test Procedure - Independent Test Facility</i>	<i>Applicable Standards</i>	<i>IP Units</i>	<i>SI Units</i>
Thickness, Nominal		6-mil	0.15 mm
Weight		22 lbs./msf	107 g/m ²
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 (psi)	ASTM D 882	1,604 psi (MD), 648 psi (TD)	11,059 kPa (MD), 4,468 kPa (TD)
Grab Tensile Strength - Peak Load (lbf)	ASTM D 5034	51 lbf (MD), 28 lbf (TD)	227 N (MD), 125 N (TD)
Trapezoid Tear Strength - Peak Load (lbf)	ASTM D 751	70 lbf (MD), 14 lbf (TD)	311 N (MD), 62 N (TD)
Mullen Burst (psi)	ASTM D 751	130 psi	896 kPa
Water Vapor Permeance (perms)	ASTM F1249	0.022 perms (U.S.)	0.015 perms (Metric)
*Burning Characteristics	ASTM E 84	"CLASS A"	
Flame Spread	ASTM E 84	5 (Class A)	
Smoke Developed	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