

1.0 PRODUCT NAME

NU-AGE FILM 4+
 High Performance
 Vapor Retarder

2.0 MANUFACTURER



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3.0 PRODUCT DESCRIPTION

3.1 Basic Use:

NU-AGE FILM 4+ is a uniquely enhanced high performance vapor retarder that exceeds performance properties of conventional single layer polyethylene sheeting. **NU-AGE FILM 4+** surpasses 4-mil polyethylene sheeting requirements outlined in ASTM D 4397. **NU-AGE FILM 4+** is used as a multipurpose high performance vapor retarder for numerous construction, industrial and agricultural applications. **NU-AGE FILM 4+** delivers excellent impact resistance, tensile strength and elongation for demanding vapor retarder and protective covering applications.

3.2 Composition & Materials:

NU-AGE FILM 4+ is a tri-layer extruded film manufactured and engineered using a distinct virgin resin formulation. The tri-layer extrusion uses separate extruders to produce different layers of polymers. The layers join together, in the liquid state, just before they are extruded. The tri-layer manufacturing is desirable as it takes the best properties of different resins and links them together. The film structure is then engineered to perform better than it's individual parts.

NU-AGE FILM 4+ is a lighter weight roll with increased product performance all while maintaining long term stability.

3.3 Product Dimensions & Weight:

NU-AGE FILM 4+ is available in roll sizes ranging from 8 to 20 feet wide by 100 feet in length. Special roll lengths are available upon request. **NU-AGE FILM 4+** weighs approximately 6.24 pounds per 1,000 square feet at .0013 inches (33.02 μ) thick.

3.4 Benefits:

- Unrivaled material solution
- Made from premium grade virgin resin
- Enhanced performance
- State-of-the-art: one of a kind technology
- Lighter weight for ease of installation
- Outperforms 4-mil poly per ASTM D 4397
- Multi-use for construction, industrial & agricultural applications
- Superior value without forfeiting quality

4.0 TECHNICAL DATA

4.1 Applicable Standards

- **ASTM D 4397** Standard Specification for Polyethylene Sheeting for Construction, Industrial, and Agricultural Applications
- **ASTM D 2103** Standard Specification for Polyethylene Film and Sheeting
- **ASTM D 1709** Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
- **ASTM D 882** Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- **ASTM F 1249** Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor
- **ASTM E 96** Standard Test Methods for Water Vapor Transmission of Materials
- **ASTM E 1643** Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs

Note: All **NU-AGE FILMS** are tested by accredited, third-party testing agencies following stringent industry guidelines and testing standards.

PROPERTIES	TEST METHOD	NU-AGE FILM 4+	
<i>Test Procedure - Independent Test Facility</i>	<i>Applicable Standards</i>	<i>IP Units</i>	<i>SI Units</i>
Thickness		.0013 in	33.02 μ
Performance Classification	ASTM D 4397	EXCEEDS 4-MIL	
Film Type	ASTM D 2103	TYPE 15232	
Puncture Resistance	ASTM D 1709 Method A	211 grams	
Tensile Strength	ASTM D 882	3,550 PSI (LD) 3,850 PSI (CD)	24.5 MPa 26.5 MPa
Elongation	ASTM D 882	610% (LD), 710% (CD)	
Water Vapor Permeance	ASTM E 96 Method E	0.19 perms*	0.013 perms**
Chemical Resistance		Unaffected	Unaffected
Life Expectancy		Indefinite	Indefinite

*grains/(ft²*hr*inHg)

**g/(m²*24hr*mmHg)