



NU-AGE FILMS FREQUENTLY ASKED QUESTIONS

Q: What is the difference between Nu-Age and standard poly?

A: Nu-Age Films are engineered films manufactured from state of the art tri-layer extruders. The manufacturing equipment has a high degree of versatility allowing for several types of plastic or polymers to be combined into one film structure. Furthermore, Nu-Age Films are manufactured from 100% virgin resin blends allowing for longevity and better performance. Simply put, Nu-Age Films are produced using advances in equipment technology along with quality ingredients.

Q: What are the differences between Nu-Age Film 4+, 6+ and 10+?

A: Nu-Age Film 4+ outperforms Standard 4-mil polyethylene sheeting, Nu-Age Film 6+ outperforms 6-mil poly and Nu-Age Film 10+ outperforms 10-mil poly. All are approximately 1/2 the weight in comparison.

Q: If it is lighter weight then how is it better?

A: It's not just about weight. Standard poly contains high percentages of reprocessed and reground resin and is blown through single layer extruders. The more polyethylene is reprocessed and recycled the greater the reduction in performance and stability. Furthermore, single layer extrusion machines limit the products ingredients and polymer formulation.

Q: What are the available roll sizes?

A: Nu-Age Films can be manufactured up to 20 feet in width. The most common factory production roll sizes are:

- Nu-Age Film 10+ = 20 ft. x 100 ft.
- Nu-Age Film 6+ = 20 ft. x 100 ft.
- Nu-Age Film 4+ = 20 ft. x 200 ft.

Larger roll lengths are available upon request. Smaller roll sizes must be produced in weights larger than 24 pounds per roll. (Example: Nu-Age Film 4+ 8 ft. x 500 ft. = 25 pounds per roll)

Q: What is ASTM D 4397?

A: ASTM D 4397 is the Standard Specification for Polyethylene Sheeting for Construction, Industrial, and Agricultural Applications. ASTM D 4397 outlines the required performance properties of polyethylene sheeting materials ranging from 1-mil up to 10-mil.

Q: What are the key performance properties as specified per ASTM D 4397?

A: Puncture resistance, tensile strength, elongation and water vapor transmission rate/permeance.

Q: Does Nu-Age meet current International Building Codes?

A: Yes, the minimum slab provisions (section 1907) per the 2015 International Building Code calls for a 6-mil polyethylene vapor retarder to be placed between the base course or subgrade and the concrete floor slab, or other approved equivalent methods or materials used to retard vapor transmission through the floor slab. Nu-Age Film 6+ meets and exceeds the performance properties of 6-mil polyethylene sheeting as outlined in ASTM D 4397 and would be considered an equivalent method.

Q: What does ICC ESL-1009 mean for Nu-Age Film 6+?

A: ICC ESL-1009 is a product certification listing that includes testing samples taken from the market or supplier’s stock, or a combination of both, to verify compliance with applicable codes and standards. The ICC ESL-1009 reports that Nu-Age 6+ conforms to ASTM D 4397-10 Standard Specification for Polyethylene Sheeting for Construction, Industrial and Agricultural Applications and carries properties as listed in Table 1 of the report (see below).

TABLE 1—PROPERTIES OF NU-AGE FILMS AS APPLICABLE TO ASTM D4397-10

Thickness (inches)	0.0024
Impact Resistance (g)	299
Tensile Strength at Break (length direction) Exceeds 1700 psi	Yes
Tensile Strength at Break (width direction) Exceeds 1200 psi	Yes
Elongation % at Break (length direction) Exceeds 225%	Yes
Elongation % at Break (width direction) Exceeds 350%	Yes
Reflectance	n/a
Luminous Transmittance	n/a
Permeance (Perms)	0.028
Heat Sealability	n/a

For SI: 1 inch = 25.4 mm, 1 psi = 0.0069 MPa

Q: What does ICC ESL-1033 mean for Nu-Age Film 10+?

A: ICC ESL-1033 is a product certification listing that includes testing samples taken from the market or supplier’s stock, or a combination of both, to verify compliance with applicable codes and standards. The ICC ESL-1033 reports that Nu-Age 10+ conforms to ASTM D 4397-10 Standard Specification for Polyethylene Sheeting for Construction, Industrial and Agricultural Applications and carries properties as listed in Table 1 of the report (see below).

TABLE 1—PROPERTIES OF NU-AGE FILM 10+ AS APPLICABLE TO ASTM D4397-10

Thickness (inches)	0.0044
Impact Resistance (g)	598
Tensile Strength at Break (length direction) Exceeds 1700 psi	Yes
Tensile Strength at Break (width direction) Exceeds 1200 psi	Yes
Elongation % at Break (length direction) Exceeds 225%	Yes
Elongation % at Break (width direction) Exceeds 350%	Yes
Reflectance	n/a
Luminous Transmittance	n/a
Permeance (Perms)	0.047
Heat Sealability	n/a

For SI: 1 inch = 25.4 mm, 1 psi = 0.0069 MPa

Q: Does Nu-Age contain any recycled material?

A: Nu-Age Films are manufactured using 100% virgin resin. There is no recycled or reprocessed resin used to make Nu-Age Films.

Q: What applications can Nu-Age be used for?

A: Nu-Age Films are used in a wide variety of construction, industrial and agricultural applications. The use of Nu-Age Film 4+, 6+ or 10+ is determined by the degree of performance needed for the respective application.

Q: Why is in-house film analysis and testing of Nu-Age important?

A: For quality control purposes, samples of Nu-Age are pulled at random and put through a series of five tests, 8 to 10 different times to ensure the highest quality material.

Q: Why should I consider choosing Nu-Age over other polyethylene sheeting?

A: Nu-Age Films are lighter, stronger and a better overall quality when compared to other polyethylene sheeting products available today.