NORTH AMERICA

USA

WAYNE, NEW JERSEY
Nylene Corporate Headquarters
Manufacturing Plant
55 Haul Road
Wayne, NJ 07470
Tel: 973-694-4141
Fax: 973-694-3549

HENDERSON, KENTUCKY
Manufacturing Plant
1421 Hwy 136 W
Henderson, KY 42420
Tel: 270-826-7641
Fax: 270-827-8509
Toll-free: 800-626-7050

BINGHAM FARMS, MICHIGAN
Sales Office
31700 Telegraph Road
Bingham Farms, MI 48025
Tel: 248-220-4169

CANADA

ARNPRIOR, ONTARIO
Manufacturing Plant
200 McNab Street
Arnprior, ON K7S 3P2
Tel: 613-623-3191
Fax: 613-623-8922
Toll-free: 800-267-7394

info@nylene.com | nylene.com

INTERNATIONAL

Far East

KUALA LUMPUR, MALAYSIA
Sales Office
Contact: Johnny Woo
Malaysia: + 60193122111
China: + 8613681819328
johnny.woo@nylene.com

Europe

VIENNA, AUSTRIA
Sales Office
Contact: Dr. Laszlo Kondor
Tel: + 436769482223
laszlo.kondor@nylene.com

Nylene (New Jersey Facility)
A2LA Accredited

Nylene (Kentucky Facility)
QS 9000/ISO 9001 accredited

Nylene (Canada Facility)
QS 9000/ISO 9001 accredited

Nylene®

Nylene®

INFO@NYLENE.COM | NYLENE.COM

Homopolymers
Copolymers
Tailored Molecular Weights

SPECIALTY FILM DIVISION

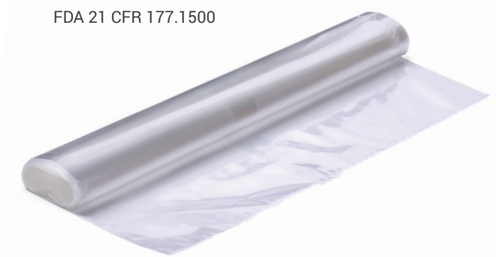
Nylene® Specialty Nylons

FILM PACKAGING

APPLICATIONS

Nylene Product Offerings:

- Nylons for Blown and Cast film
- Monolayer and Co-extruded film
- Nylon 6 or Copolymers of nylon 6 (6/6,9 & 6/6,6)
- Kosher food packaging
- Viscosities and Additives Designed to Applications
- Nylon 6 - Direct Food Contact - FDA 21 CFR 177.1500



Nylene – Specialty/Film Division

With over 25 years of experience servicing the packaging industry, Nylene has developed a solid reputation for quality and specialty products.

Nylene offers custom designed products to maximize productivity for customer processes and end uses. All production is designed to be flexible in formulation and volume. Our competitors are the big box super stores of the nylon market; where you buy "off the rack". Nylene has the ability to tailor materials to fit specific processes and applications.

Nylene Specialty Resins for Film

Die temperature range: 482°F to 554°F (250°C to 290°C)

	Nylene 6						Nylene 6/6,9			Nylene 6/6,6	
Properties	**615**	**NX4797**	**615I**	**NX3055I**	**NX3411**	**615SA**	**826**	**CX3395**	**PAC9-155**	**PAC6-135**	**PAC6-95**
RV-Formic	75	85	110	110	130	140	75	100	155	135	95
RV-Sulfuric	3.20	3.35	3.66	3.66	3.88	4.00	3.20	3.56	4.10	4.0	3.5
Specific Gravity	1.13	1.13	1.13	1.14	1.13	1.13	1.11	1.11	1.11	1.12	1.12
Melt Point °F (°C)	428 (220)	428 (220)	428 (220)	428 (220)	428 (220)	428 (220)	374 (190)	374 (190)	374 (190)	383 (195)	383 (195)
Application(s)	Cast	Cast and Blown	Blown	Blown Anti Block	Blown	Blown	Cast	Cast and Blown	Blown	Blown	Cast and Blown
FDA Regulations	Complies with FDA 21 CFR 177.1500 Kosher certification available						Indirect food contact. May be used as a layer away from food contact			Complies with FDA 21 CFR 177.1500	
Custom design your properties with regard to:	• Melt Point • Relative Viscosity • Additives/Lubricants • Crystallinity • Nucleation/Antiblock						• Melt Point • Relative Viscosity • Additives/Lubricants • Crystallinity • Nucleation/Antiblock *Films made with Nylene 6/6,9 copolymers exhibit excellent deep drawing characteristics* *Less crystalline and more transparent than nylon 6*			• Melt Point • Relative Viscosity • Additives/ Lubricants • Crystallinity • Nucleation/Antiblock *Nylon 6/6,6 films have better clarity and lower processing temperatures compared to nylon 6*	

16/10/2015 | nylene.com

Nylon - the essential layer in barrier packaging film

Nylon Film Packaging

Packaging films made from nylon, or nylon in conjunction with other polymers, are widely used throughout the world. The major benefits of nylon in packaging are barrier properties, strength, and performance over a wide temperature range.

Other advantages are processability, chemical resistance, the ability to heat seal to itself, and the ability to print on the film.

Nylon monolayer films, or multilayer films containing nylon, are used for packaging both food and industrial products. Nylons used for food packaging are made to governmental standards for direct food contact. Nylons offer oxygen, chemical, and aroma barrier.

Why Nylon?

- Cost effective
- High strength/durability
- Good barrier to aroma/flavors
- Easily thermoformable
- Easily combined with other resins
- Printability/metalizability
- Pre-consumer recyclable
- Functions in high/low temperatures

Nylon Processing

- May be formed or blown or cast techniques
- Strong enough for monolayer films
- Can be used in conjunction with many other polymers in multi-layer structures
- Nylon films may be mono or biaxially oriented
- Can be modified for both deep draw and "boil in" applications

Blown Film

Cast Film

Mono-layer & Multi-layer nylon

End Uses

Films containing nylons are used in many packaging applications.

Vacuum Packaging

Nylon can be drawn to provide pockets for many food shapes, such as hams, poultry, fish, pasta, gravies.

Juices

Nylon films offer flavor and vitamin retention for fruit juices and milk.

Cook-In and Boil-In Bags

The wide temperature performance range of nylon films allows food products to go from freezer to oven. Nylons are microwaveable and can be used in conventional ovens to almost 428°F (220°C) Specially formulated boil in bags allow foods to be cooked by boiling in the package.

Protective Liners

Nylon films may be used as a protective liner in boxes to provide oxygen and flavor barrier to increase shelf life.

Uses include liners for bulk boxes or drums for vegetable juices and pastas. Nylon, in conjunction with polyolefin layers, may be used inside smaller boxes to protect flour, mixes, and cereals.

Cheeses

A common use of nylon is in cheese packaging. It is used in laminated and co-extruded film to resist abrasion and aid in outgassing. Nylon offers heat resistance in hot fill applications and oxygen barrier.

Nylon films offer both chemical and heat resistance for hot filling a wide range of foods and chemicals.

Consumer Packaging

Protective packaging for goods in transit. Nylon 6 can be made into bubble wrap cocoons with excellent strength, tear and puncture resistance.