

Nylene® 615SA L

TECHNICAL DATASHEET

TDS Ref # 803 Reviewed: 5/15/2014

DESCRIPTION

- Extrusion grade nylon 6 resin suitable for film co-extrusion applications and blown film.
- This product contains a special anti-block and has excellent melt stability and good melt strength.
- Nylene 615SA L has superior grease resistance, toughness, resistance to abrasion, and does not absorb food odors.

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	D792	n/a	1.13
Water Absorption	D590	n/a	1.9
MECHANICAL PROPERTIES			
Elongation	D638	%	200
Flexural Modulus	D790	psi (MPa)	380,000 (2,621)
Notched Izod @ 23°C	D256	ft. lb./ in. (J/m)	0.8 [42.7]
Tensile Strength	D638	psi (MPa)	11,000 [76]
FILM PROPERTIES			
Elmendorf Tear	D1922	gms./mil.	55
Elongation	D882	%	300
Secant Modulus	D882	psi (MPa)	94,000 (648)
Tensile Yield Strength	D882	psi (MPa)	5,480 (38)
Ultimate Tensile Strength	D882	psi (MPa)	8,650 (60)

NOTES

- Testing conducted on dry-as-molded specimens at 73°F
- *FILM PROPERTIES = FILM CONDITIONED, AND TESTED IN TRANSVERSE DIRECTION.

CHARACTERISTICS

Resin Type: Nylon 6
Product Characteristics:
High RV, Anti-block

EXTRUSION PROCESSING

Film

MARKETS USED

- Packaging Industry
- Food Packaging

APPLICATIONS

- Extrusion Coating for Paper Board
- Film
- Flexible Packaging
- Fresh & Processed Meat Packaging
- Juice Packaging/Milk Cartons
- Plastic Containers
- Protective Liner
- Single Layer/Multi Layer Film
- Stand Up Packaging for Barrier Strength

APPROVALS

- Direct Food Contact: FDA 21 CFR 177.1500

DISCLAIMER

The data set forth herein has been carefully compiled by Nylene in our laboratories. Values shown are typical properties and not specifications. Since processing variables will affect properties, the reproducibility of our data in a customer's testing facility is not guaranteed. There is no warranty of any kind, either expressed or implied, applicable to the use of this information, and the user assumes all risk and liability in connection therewith.



Headquarters and Facility:
55 Haul Road, Wayne, NJ 07470
P: 973-694-4141 | F: 973-694-3549

North American Sales Office:
31700 Telegraph Rd. Suite 235, MI 48025
P: 248-377-6769 | F: 248-377-3845

Nylene Custom Resins Facility:
1421 Hwy 136 W. Henderson, KY 42420
P: 270-826-7641 | TF: 800-626-7050

Nylene Canada Facility
200 McNab Street, Arnprior ON, K7S 3P2
P: 613-623-3191 | TF: 800-267-7394

For a complete listing of our global offices, visit:
www.nylene.com/contactus
www.nylene.com | info@nylene.com

Copyright ©2019, Nylene. All rights reserved. Nylene is a designated trademark of Polymeric Resources Corporation.