

Nylene® PAC690-95

TECHNICAL DATASHEET

TDS Ref # 854 Reviewed: 5/11/2017

DESCRIPTION

- Nylene® PAC690-95 is a Nylon 6/66 copolymer suitable for both blown and cast film co-extrusion.
- This product can be processed effectively with extruder barrel and die temperatures set to give melt temperatures in the range of 440 – 500 °F (227 – 260 °C).
- FDA 21 CFR 177.1500 for nylon 6/66
- Because Nylene® PAC690-95 is polymerized using a continuous process, it has good lot-to-lot consistency.

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Oxygen Permeability	D3985	See Note#2	3.5*
Relative Viscosity	ISO 307	Sulfuric Acid	3.5
	D789	Formic Acid	95
Specific Gravity	D792	n/a	1.12
Viscosity Number	ISO307	cm ³ /gm	205
MECHANICAL PROPERTIES			
Break Stress	D638	MPa	95
Maximum Strain	D638	[%]	350
Maximum Stress	D638	Mpa	95
Tear Strength	D1922	grams	70
THERMAL PROPERTIES			
Melt Point	D3418	°C	190

NOTES

- Oxygen permeability measured using 1 mil. mono-film.
- Nylene® PAC690-95 can be processed effectively with extruder barrel and die temperatures set to give melt temperatures in the range of 440 – 500 °F (227 – 260 °C).
- cc-mil/100 sq. in.-24 hr.-atm. @ 75 F.
- For comparison, values for nylon 6 monofilm of one mil was measured at 3.1 cc-mil/100 sq. in.-24 hr.-atm.

PROCESSING CONSIDERATIONS: SPECIALTY SPECIALTY 66/6

Please contact for processing information on this product.

CHARACTERISTICS

Resin Type: Nylon 6/6/6
 Product Characteristics:
 Mid RV

EXTRUSION PROCESSING

Film

FEATURES

- Excellent toughness
- Excellent chemical resistance
- Excellent transparency
- Low oxygen permeability

MARKETS USED

- Packaging Industry

APPLICATIONS

- Food Packaging
- Pet Food
- Sausage Casing

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.