

Nylene® CP11111

TECHNICAL DATASHEET

TDS Ref # 881 Reviewed: 9/21/2015

DESCRIPTION

- Because this material is polymerized using a continuous process, it has good lot-to-lot consistency.
- Nylene® CP11111 has a lower melting point and is less crystalline than standard 6/66 copolymer, thus it imparts a softer feel when used for film.
- Nylene® CP11111 is a Polyamide terpolymer with 6/66/69 copolymer content. It is suitable for both blown and cast film co-extrusion.
- Meets the requirements of FDA regulation for direct food contact

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Relative Viscosity	ISO 307	Sulfuric Acid	4.0
Specific Gravity	D792	n/a	1.12
MECHANICAL PROPERTIES			
Elongation	D638	%	250
Tensile Strength @ Break	D638	MPa	97
Tensile Yield Strength	D638	MPa	28
THERMAL PROPERTIES			
Melt Point	D3418	°F (°C)	374 [190]
FILM PROPERTIES			
Elmendorf Tear	D1922	gms./mil.	80

NOTES

- FILM PROPERTIES = FILM CONDITIONED, AND TESTED IN TRANSVERSE DIRECTION.
- Cc-mil/100 in2-24 hr.-atm @ 75° F (24 ° C)

CHARACTERISTICS

Resin Type: Nylon 6/69
Product Characteristics:
Unreinforced, High RV

EXTRUSION PROCESSING

Film

FEATURES

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

MARKETS USED

- Packaging Industry

APPLICATIONS

- Multi-Layer Film

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.



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