

Nylene® NX4555

TECHNICAL DATASHEET

TDS Ref # 195 Reviewed: 9/16/2015

DESCRIPTION

- Nucleated extrusion grade suitable for cast and blown film
- Superior grease resistance, toughness, resistance to abrasion, and does not absorb food odors
- Excellent melt stability and good melt strength, plus faster set-up for increased line speeds

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	D792	n/a	1.13
MECHANICAL PROPERTIES			
Elmendorf Tear	D1922	gm / mil	56
Elongation	D638	%	290
Secant Modulus	D882	psi (MPa)	94,600 (652)
Ultimate Tensile Strength	D882	psi (MPa)	8700 (60)
Yield Tensile Strength	D882	psi (MPa)	5500 (38)
THERMAL PROPERTIES			
Melt Point	D3418	°F (°C)	420 (215)

NOTES

- Testing conducted on dry-as-molded specimens at 73°F

CHARACTERISTICS

Resin Type: Nylon 6
Product Characteristics:
Unreinforced, Nucleating Agent, Mid RV

EXTRUSION PROCESSING

Film

MARKETS USED

- Packaging Industry

APPLICATIONS

- Blown Film
- Cast Film (in general)

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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