

Nylene® 615 NP

Polyamide 6
Custom Resins Group

Message:

Nylon 6 polymer designed for use in extrusion of tubing and film to be used in food packaging.
High melt strength for shape retention
Like most PA6, Nylene 615 NP has excellent grease resistance, toughness, and resistance to abrasion.

General Information	
Features	Good Abrasion Resistance
	Good Melt Strength
	Good Toughness
	Grease Resistant
Uses	Film
	Food Packaging
	Tubing
Processing Method	Extrusion
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Viscosity Number	250	cm ³ /g	
Stress - Yield (23°C)	34.8	m ² /kg	ASTM D638
Oxygen Permeability - cc-mil/24 hr-atm (23°C)	3.1		
Elmendorf Tear Strength - TD (23°C)	21.2	kN/m	ASTM D789

Films	Nominal Value	Unit	Test Method
Secant Modulus - TD	648	MPa	ASTM D882
Tensile Strength - TD (Break)	68.9	MPa	ASTM D638
Tensile Elongation - TD (Break)	300	%	ASTM D882

Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	220	°C	ASTM D3418

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