

Nylene® NX1731

Polyamide 6

Custom Resins Group

Message:

Nylene NX1731 is a general purpose grade nylon 6 resin which is suitable for molding or extrusion. It is recommended for industrial applications where the toughness, chemical resistance, and high temperature properties of nylon 6 are required but where some color variation is acceptable. Optimum processing conditions should provide a melt temperature of 480 - 500°F at the die or nozzle.

General Information	
Features	General Purpose
	Good Chemical Resistance
	Good Toughness
	High Heat Resistance
Uses	Industrial Applications
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Water Absorption (24 hr)	1.7	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	75.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	10	%	ASTM D638
Flexural Modulus (23°C)	2830	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	182	°C	
1.8 MPa, Unannealed	67.8	°C	
Injection	Nominal Value	Unit	
Nozzle Temperature	249 to 260	°C	
Extrusion	Nominal Value	Unit	
Die Temperature	249 to 260	°C	

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Recommended distributors for this material

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