

Nylene® NX3024F

Polyamide 6
Custom Resins Group

Message:

Nylene NX3024F is a medium viscosity nylon 6 resin suitable for general purpose molding applications. In addition to excellent melt stability and good melt strength, NX3024F has excellent grease resistance, toughness, resistance to abrasion, and does not absorb food odors. Nylene NX3024F meets the requirements of FDA regulation 21 CFR 177.1500 for direct food contact. Optimum processing conditions should provide a melt temperature of 480 - 500°F at the die.

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Melt Strength		
	Good Toughness		
	High Melt Stability		
	Medium Viscosity		
Uses	General Purpose		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1500		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption (24 hr)	1.8	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	82.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	70	%	ASTM D638
Flexural Strength (Yield, 23°C)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Extrusion	Nominal Value	Unit	
Die Temperature	249 to 260	°C	

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