

Nylene® NX3024

Polyamide 6
Custom Resins Group

Message:

Medium viscosity, extrusion grade nylon 6 resin suitable for film co-extrusion, coatings, and compounding applications
Excellent melt stability and good melt strength
Excellent grease resistance, toughness, resistance to abrasion, and does not absorb food odors
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	Food Contact Acceptable		
	Good Abrasion Resistance		
	Good Melt Strength		
	Good Toughness		
	Grease Resistant		
	High Melt Stability		
	Low Odor Transfer		
	Medium Viscosity		
Uses	Coating Applications		
	Compounding		
	Film		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1500		
Forms	Pellets		
Processing Method	Coating		
	Coextruded Film		
	Compounding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption (Saturation)	1.8	%	ASTM D570
Mold Shrinkage	1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	82.7	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	70	%	ASTM D638
Flexural Modulus (23°C)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	37	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	51.1	°C	
Peak Melting Temperature	220	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Die Temperature	249 to 260	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

