

Nylene® 401 F

Polyamide 6

Custom Resins Group

Message:

Food-contact FDA compliant un-reinforced nylon 6 injection molding resin

High flow characteristics at minimal processing temperatures

Suitable for applications in both thin and heavy sections that require typical nylon characteristics and easy molding

Compliant with 21CFR177.1500

General Information			
Features	Food Contact Acceptable		
	High Flow		
Agency Ratings	FDA 21 CFR 177.1500		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	79.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	2690	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	

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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



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