

Nylene® NX4001A

Polyamide 6

Custom Resins Group

Message:

High viscosity, nucleated, nylon 6 extrusion grade resin

Crystallization initiators provide rapid melt set-up in higher speed processing applications

Optimum processing conditions should provide a melt temperature of 550 - 575°F at the die

Nucleated

General Information			
Features	Good Processability		
	High Viscosity		
	Nucleated		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm³	ASTM D792
Water Absorption (Saturation)	1.8	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	84.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	100	%	ASTM D638
Flexural Modulus (23°C)	2760	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	174	°C	
1.8 MPa, Unannealed	60.0	°C	
Peak Melting Temperature	220	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	288 to 302	°C	

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Recommended distributors for this material

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