

# Nylene® NX-1440C

Polyamide 6  
Custom Resins Group

Message:

Medium viscosity, fast cycle molding resin.  
Crystallization initiators provide fast molding cycles through rapid melt set-up.  
Parts molded from NX1440 have better dimensional stability at moisture equilibrium than parts molded from conventional nylon.  
Suitable for such uses as clips and fasteners, bushings, small levers, gears, and window hardware.  
Optimum processing conditions should provide a melt temperature of 460 - 480°F at the nozzle.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Good Dimensional Stability		
	Medium Viscosity		
	Nucleated		
Uses	Bushings		
	Fasteners		
	Gears		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	75.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	25	%	ASTM D638
Flexural Modulus (23°C)	2900	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 (1.8 MPa, Unannealed)	82.2	°C	ASTM D648
Peak Melting Temperature	216	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	238 to 249	°C	

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Recommended distributors for this material

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