

# Nylene® 401

Polyamide 6

Custom Resins Group

Message:

General purpose 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

General Information			
UL YellowCard	E40081-231513		
Features	General Purpose		
	Good Moldability		
	High Flow		
Uses	General Purpose		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	79.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2690	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	16	J/m	
23°C	43	J/m	
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	
Peak Melting Temperature	216	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating (1.47 mm)	V-2		UL 94

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