

# Clariant Nylon 6/6 6601-LN

Polyamide 66  
Clariant Corporation

Message:

Clariant Nylon 6/6 6601-LN is a Polyamide 66 (Nylon 66) material. It is available in North America for injection molding.

Important attributes of Clariant Nylon 6/6 6601-LN are:

Fast Molding Cycle  
Good Mold Release  
Lubricated

General Information			
Additive	Lubricant		
Features	Fast Molding Cycle		
	Good Mold Release		
	Lubricated		
	Nucleated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.4 to 1.9	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	227	°C	
1.8 MPa, Unannealed	82.2	°C	
Melting Temperature	259	°C	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Suggested Max Regrind	25	%	
Rear Temperature	249 to 266	°C	
Middle Temperature	271 to 288	°C	
Front Temperature	282 to 293	°C	
Nozzle Temperature	266 to 288	°C	

Mold Temperature	54.4 to 93.3	°C
Injection Pressure	34.5 to 103	MPa
Back Pressure	0.00 to 5.52	MPa
Screw Speed	30 to 90	rpm

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Recommended distributors for this material

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