

# Clariant Nylon 6/6 R66G13-L

Polyamide 66

Clariant Corporation

## Message:

Clariant Nylon 6/6 R66G13-L is a Polyamide 66 (Nylon 66) material filled with 13% glass fiber. It is available in North America for injection molding. Primary attribute of Clariant Nylon 6/6 R66G13-L: Lubricated.

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Additive	Lubricant		
Features	General Purpose		
	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Tensile Impact Strength	11.3	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	249	°C	
1.8 MPa, Unannealed	235	°C	
Melting Temperature	257 to 264	°C	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Suggested Max Regrind	25	%	
Rear Temperature	249 to 271	°C	
Middle Temperature	271 to 288	°C	
Front Temperature	282 to 299	°C	
Nozzle Temperature	266 to 288	°C	
Mold Temperature	71.1 to 104	°C	
Injection Pressure	55.2 to 138	MPa	

Back Pressure	0.00 to 1.03	MPa
Screw Speed	30 to 60	rpm

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#### Recommended distributors for this material

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