

Clariant Nylon 6/6 6618G15

Polyamide 66
Clariant Corporation

Message:

Clariant Nylon 6/6 6618G15 is a Polyamide 66 (Nylon 66) material filled with 15% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	3590	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	212	°C	ASTM D648
Melting Temperature	261	°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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