

Clariant Nylon 6/12 612G33-L

Polyamide 612

Clariant Corporation

Message:

Clariant Nylon 6/12 612G33-L is a Polyamide 612 (Nylon 612) material filled with 33% glass fiber. It is available in North America for injection molding. Primary attribute of Clariant Nylon 6/12 612G33-L: Lubricated.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Lubricant		
Features	General Purpose		
	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (24 hr)	0.19	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	204	°C	
Melting Temperature	212	°C	

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Recommended distributors for this material

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