

Clariant Nylon 6 PA213G33

Polyamide 6
Clariant Corporation

Message:

Clariant Nylon 6 PA213G33 is a polyamide 6 (nylon 6) material, which contains a 33% glass fiber reinforced material. This product is available in North America and is processed by injection molding.
The typical application field of Clariant Nylon 6 PA213G33 is: automobile industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.35	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	165	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength (Yield)	248	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.35mm	215	°C	ASTM D648
1.8 MPa, unannealed, 6.35mm	210	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.20	%	
Suggested Shot Size	30 - 80	%	
Rear Temperature	249 - 266	°C	
Middle Temperature	249 - 266	°C	
Front Temperature	254 - 271	°C	
Nozzle Temperature	254 - 274	°C	
Processing (Melt) Temp	254 - 271	°C	
Mold Temperature	79.4 - 121	°C	
Back Pressure	0.345	MPa	
Screw Speed	20 - 100	rpm	
Injection instructions			

This material should be dried in a dessicant dryer. Injection Pressure, Initial: 1200 to 2000 psi Injection Pressure, Secondary: 60% of Initial

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Recommended distributors for this material

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