

Clariant Nylon 6 PA213G13

Polyamide 6
Clariant Corporation

Message:

Clariant Nylon 6 PA213G13 is a polyamide 6 (nylon 6) material, which contains a 13% 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 PA213G13 is: automobile industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight		
Uses	Application in Automobile Field		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	100	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	4800	MPa	ASTM D790
Flexural Strength (Yield)	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.35mm	210	°C	ASTM D648
1.8 MPa, unannealed, 6.35mm	195	°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	
Injection Pressure	8.27 - 13.8	MPa	
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 psiInjection Pressure, Secondary: 60% of Initial

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

