

Clariant Nylon 6 PA213

Polyamide 6
Clariant Corporation

Message:

Clariant Nylon 6 PA213 is a polyamide 6 (nylon 6) material. This product is available in North America and is processed by injection molding. The main characteristics of Clariant Nylon 6 PA213 are: heat stabilizer.
The typical application field of Clariant Nylon 6 PA213 is: automobile industry

General Information			
Additive	heat stabilizer		
Features	Thermal Stability		
	General		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 - 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.3	MPa	ASTM D638
Tensile Elongation (Break)	75	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength (Yield)	110	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	175	°C	ASTM D648
1.8 MPa, unannealed, 6.35mm	75.0	°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	51.7 - 79.4	°C	

Injection Pressure	8.27 - 13.8	MPa
Back Pressure	0.345 - 1.72	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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