

Ferro Nylon RNY33MA14BK

Polyamide 66

Ferro Corporation

Message:

Ferro Nylon RNY33MA14BK is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	165	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength (Yield)	248	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	263	°C	
1.8 MPa, Unannealed	254	°C	
Injection	Nominal Value	Unit	
Suggested Max Moisture	0.10	%	
Rear Temperature	266 to 277	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	266 to 277	°C	
Nozzle Temperature	260 to 282	°C	
Mold Temperature	65.6 to 82.2	°C	
Injection Pressure	3.45 to 10.3	MPa	
Back Pressure	0.345 to 0.689	MPa	

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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

