Ferro Nylon RNY15MS01GY

Polyamide 66

Ferro Corporation

Message:

Ferro Nylon RNY15MS01GY is a Polyamide 66 (Nylon 66) material filled with 15% 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,15% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.41	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Break)	3.8	%	ASTM D638
Flexural Modulus	5790	MPa	ASTM D790
Flexural Strength (Yield)	165	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Unnotched Izod Impact (23°C)	480	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	252	°C	
1.8 MPa, Unannealed	235	°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	

Recommended distributors for this material

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