

MAZMID B 150 RG 100

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 RG 100 is a Polyamide 6 (Nylon 6) product filled with 10% graphite fiber. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 RG 100 include engineering/industrial parts and fabrics/fibers. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Graphite Fiber,10% Filler by Weight		
Uses	Gears		
	Textile Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 to 1.17	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.3	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70 to 0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ASTM D638
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	170	°C	
1.8 MPa, Unannealed	75.0	°C	
Continuous Use Temperature	80.0	°C	
Melting Temperature	214 to 220	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94

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