

MAZMID B 150 FV30 RM 20

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 FV30 RM 20 is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It can be processed by injection molding and is available in Latin America. Typical application: Engineering/Industrial Parts.
Characteristics include:
Flame Rated
Good Aesthetics
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Molybdenum Disulfide Lubricant		
Features	Good Surface Finish		
	Low Friction		
	Lubricated		
Uses	Bearings		
	Bushings		
	Pulleys		
	Rollers		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33 to 1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60 to 0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ASTM D638
Tensile Strength	135	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7500	MPa	ASTM D790
Flexural Strength	220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	205	°C	
1.8 MPa, Unannealed	190	°C	

Continuous Use Temperature	110	°C	
Melting Temperature	214 to 220	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	22	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

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