

MAZMID B 150 FV 20

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 FV 20 is a Polyamide 6 (Nylon 6) product filled with 20% glass fiber. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 FV 20 include electrical/electronic applications, engineering/industrial parts, automotive and housings. Characteristics include:

- Flame Rated
- Good Aesthetics
- Good Dimensional Stability
- Heat Resistant
- High Stiffness

General Information				
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Features		Good Dimensional Stability		
		Good Surface Finish		
		Good Thermal Stability		
		High Stiffness		
		Low Viscosity		
Uses		Automotive Applications		
		Electrical Parts		
		Electrical/Electronic Applications		
		Gears		
		Housings		
		Knobs		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.25	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.1	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	122	110		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6000	3500	MPa	ASTM D638
Tensile Strength	120	75.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	6000	3500	MPa	ASTM D790
Flexural Strength	190	100	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	90	150	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	200	--	°C	
1.8 MPa, Unannealed	180	--	°C	
Continuous Use Temperature	90.0 to 100	--	°C	
Melting Temperature	214 to 220	--	°C	
CLTE - Flow	3.0E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms·cm	ASTM D257
Dielectric Strength	22	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94

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