

MAZMID B 150 FV 10

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 FV 10 is a Polyamide 6 (Nylon 6) product filled with 10% glass fiber. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 FV 10 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,10% 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	1.19	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.85 to 1.0	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	122	105		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5000	3100	MPa	ASTM D638
Tensile Strength	100	60.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	8.0	%	ASTM D638
Flexural Modulus	4500	2900	MPa	ASTM D790
Flexural Strength	160	80.0	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	70	140	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	190	--	°C	
1.8 MPa, Unannealed	150	--	°C	
Continuous Use Temperature	85.0 to 90.0	--	°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	21	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94

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