

# MAZMID B 150 FV 40

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 FV 40 is a Polyamide 6 (Nylon 6) product filled with 40% glass fiber. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 FV 40 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,40% 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	1.48	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.90	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	125	115		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11500	6500	MPa	ASTM D638
Tensile Strength	185	120	MPa	ASTM D638
Tensile Elongation (Break)	2.5	3.5	%	ASTM D638
Flexural Modulus	10200	6000	MPa	ASTM D790
Flexural Strength	280	175	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	130	200	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	220	--	°C	
1.8 MPa, Unannealed	215	--	°C	
Continuous Use Temperature	115 to 125	--	°C	
Melting Temperature	214 to 220	--	°C	
CLTE - Flow	2.0E-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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#### Recommended distributors for this material

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