MAZMID B 150 FV 35

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 FV 35 is a Polyamide 6 (Nylon 6) product filled with 35% glass fiber. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 FV 35 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,35% 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	1.40	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.25 to 0.35	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.90	--	%	ASTM D570
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	125	112		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	10900	6000	MPa	ASTM D638
Tensile Strength	170	110	MPa	ASTM D638
Tensile Elongation (Break)	2.8	4.0	%	ASTM D638
Flexural Modulus	9700	5200	MPa	ASTM D790
Flexural Strength	260	160	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	210	--	°C	
Continuous Use Temperature	110 to 120	--	°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

Recommended distributors for this material

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