

MAZMID B 150

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 150 include automotive, electrical/electronic applications, engineering/industrial parts, appliances and furniture.

Characteristics include:

- Flame Rated
- Good Processability
- Heat Resistant
- Impact Resistant
- Low Viscosity

General Information				
Features		Good Moldability		
		High Heat Resistance		
		High Impact Resistance		
		Low Viscosity		
Uses		Appliances		
		Automotive Applications		
		Bushings		
		Connectors		
		Electrical/Electronic Applications		
		Furniture		
		Gears		
		Housings		
Appearance		Black		
		Colors Available		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	--	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	25 to 35	--	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3 to 1.7	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	100		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method

Tensile Modulus	2800	1000	MPa	ASTM D638
Tensile Strength	70.0	40.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	> 150	%	ASTM D638
Flexural Modulus	2800	1000	MPa	ASTM D790
Flexural Strength	95.0	40.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	50	80	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	160	--	°C	
1.8 MPa, Unannealed	60.0	--	°C	
Continuous Use Temperature	80.0	--	°C	
Melting Temperature	214 to 220	--	°C	
CLTE - Flow	7.0E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms·cm	ASTM D257
Dielectric Strength	18	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-2	--		UL 94

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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