

# MAZMID B 153

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 153 is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 153 include appliances, automotive and electrical/electronic applications.

Characteristics include:

- Flame Rated
- Heat Resistant
- Heat Stabilizer

General Information				
Additive	Heat Stabilizer			
Features	Heat Stabilized			
	High Heat Resistance			
Uses	Appliances			
	Automotive Applications			
	Electrical Parts			
	Machinery Maintenance/Repair			
Appearance	Natural Color			
Processing Method	Injection Molding			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	--	g/cm <sup>3</sup>	ASTM D792
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	50.0	MPa	ASTM D638
Tensile Elongation (Break)	50	> 100	%	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

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