

MAZMID B 153 SP20

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 153 SP20 is a Polyamide 6 (Nylon 6) product filled with 20% mineral. It can be processed by injection molding and is available in Latin America.
Typical application: Automotive.
Characteristics include:
Flame Rated
Good Aesthetics
Heat Stabilizer

General Information				
Filler / Reinforcement		Mineral,20% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Surface Finish		
		Heat Stabilized		
		Paintable		
Uses		Automotive Applications		
Appearance		Black		
		Colors Available		
		Grey		
		Natural Color		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.32	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.3	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0 to 1.2	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	100	90		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4600	2200	MPa	ASTM D638
Tensile Strength	60.0	50.0	MPa	ASTM D638
Tensile Elongation (Break)	7.0	30	%	ASTM D638
Flexural Modulus	3000	1600	MPa	ASTM D790
Flexural Strength	100	55.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	110	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	155	--	°C	
1.8 MPa, Unannealed	110	--	°C	
Continuous Use Temperature	90.0 to 100	--	°C	
Melting Temperature	212 to 214	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+12	--	ohms · cm	ASTM D257
Dielectric Strength	15	--	kV/mm	ASTM D149
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-2	--		UL 94

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