

MAZMID B 153 SP40

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 153 SP40 is a Polyamide 6 (Nylon 6) product filled with 40% 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,40% 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	1.45	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.0	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.80 to 0.90	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	115	105		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6700	3500	MPa	ASTM D638
Tensile Strength	85.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	20	%	ASTM D638
Flexural Modulus	6200	2800	MPa	ASTM D790
Flexural Strength	135	80.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	45	90	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	180	--	°C	
1.8 MPa, Unannealed	135	--	°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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