

MAZMID B 153 FV15 SP20

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 153 FV15 SP20 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber and 20% mineral. It can be processed by injection molding and is available in Latin America. Applications of MAZMID B 153 FV15 SP20 include automotive and electrical/electronic applications.

Characteristics include:

- Flame Rated
- Good Aesthetics
- Good Dimensional Stability
- Good Stiffness
- Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
	Mineral,20% Filler by Weight		
Features	Good Dimensional Stability		
	Good Stiffness		
	Good Surface Finish		
	High Heat Resistance		
	Low Warpage		
	Paintable		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.80 to 0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ASTM D638
Tensile Strength	125	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5500	MPa	ASTM D790
Flexural Strength	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	55	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	195	°C	
1.8 MPa, Unannealed	180	°C	
Continuous Use Temperature	100 to 110	°C	
Melting Temperature	214 to 220	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	21	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

