

MAZMID B 150 SK40

Polyamide 6

Mazzaferro Indústria e Comércio de Polímeros e Fibras Ltda.

Message:

MAZMID B 150 SK40 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		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.46	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.0	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.90 to 1.0	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	118	105		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6700	3500	MPa	ASTM D638
Tensile Strength	85.0	65.0	MPa	ASTM D638
Tensile Elongation (Break)	1.0	32	%	ASTM D638
Flexural Modulus	5800	3200	MPa	ASTM D790
Flexural Strength	155	100	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	50	90	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	185	--	°C	
1.8 MPa, Unannealed	135	--	°C	
Continuous Use Temperature	90.0 to 100	--	°C	

Melting Temperature	214 to 220	--	°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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