

VITAMIDE® BF12

Polyamide 6
A. Schulman Europe

Message:

VITAMIDE® BF12 is a Polyamide 6 (Nylon 6) material filled with 10% mineral. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® BF12 are:

Flame Rated
RoHS Compliant
Flame Retardant
Fast Molding Cycle

Typical applications include:

Electrical/Electronic Applications
Engineering/Industrial Parts

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Additive	Flame Retardant		
Features	Fast Molding Cycle		
	Flame Retardant		
Uses	Electrical Parts		
	Plugs		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 175	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 75.0	°C	ISO 75-2/A
Melting Temperature (DSC)	221	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13

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Recommended distributors for this material

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