

VITAMIDE® BW36

Polyamide 6
A. Schulman Europe

Message:

VITAMIDE® BW36 is a Polyamide 6 (Nylon 6) material filled with 10% glass bead and 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® BW36 are:

Flame Rated
RoHS Compliant
Flame Retardant

General Information			
Filler / Reinforcement	Glass Bead,10% Filler by Weight		
	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	115	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 220	°C	ISO 75-2/B
1.8 MPa, Unannealed	190	°C	ISO 75-2/A
Melting Temperature (DSC)	222	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13

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Recommended distributors for this material

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