

VITAMIDE® BT36

Polyamide 6
A. Schulman Europe

Message:

VITAMIDE® BT36 is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of VITAMIDE® BT36 are:

Flame Rated
RoHS Compliant
Impact Modified

Typical application of VITAMIDE® BT36: Household Applications

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Uses	Lawn and Garden Equipment		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	150	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	15	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 200	°C	ISO 75-2/B
1.8 MPa, Unannealed	215	°C	ISO 75-2/A
Melting Temperature (DSC)	221	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength (2.00 mm)	34	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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