

VITAMIDE® AB76

Polyamide 66
A. Schulman Europe

Message:

VITAMIDE® AB76 is a Polyamide 66 (Nylon 66) material filled with 30% glass bead. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AB76 are:

- Flame Rated
- RoHS Compliant
- Chemical Resistant
- Good UV Resistance
- Heat Stabilizer

Typical application of VITAMIDE® AB76: Automotive

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Glycol Resistant		
	Good UV Resistance		
	Heat Stabilized		
	Hydrolysis Resistant		
	Oil Resistant		
Uses	Automotive Under the Hood		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage	0.90 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	4500	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 215	°C	ISO 75-2/B
1.8 MPa, Unannealed	150	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Electric Strength (2.00 mm)	30	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
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13

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Recommended distributors for this material

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