

VITAMIDE® AP76

Polyamide 66

A. Schulman Europe

Message:

VITAMIDE® AP76 is a Polyamide 66 (Nylon 66) material filled with 15% glass bead and 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of VITAMIDE® AP76 are:

Flame Rated

RoHS Compliant

Good UV Resistance

Heat Stabilizer

UV Stabilized

Typical application of VITAMIDE® AP76: Engineering/Industrial Parts

General Information			
Filler / Reinforcement	Glass Bead, 15% Filler by Weight Glass Fiber, 15% Filler by Weight		
Additive	Heat Stabilizer UV Stabilizer		
Features	Good UV Resistance Heat Stabilized		
Uses	Pump Parts		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7200	MPa	ISO 178
Flexural Stress	205	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.0	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	175	°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)	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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Recommended distributors for this material

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