

VITAMIDE® AF10

Polyamide 66
A. Schulman Europe

Message:

VITAMIDE® AF10 is a Polyamide 66 (Nylon 66) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AF10 are:

Flame Rated
RoHS Compliant
Flame Retardant

Typical application of VITAMIDE® AF10: Electrical/Electronic Applications

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Electrical Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Molding Shrinkage	1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	223	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength (2.00 mm)	27	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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Recommended distributors for this material

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