

VITAMIDE® AK40

Polyamide 66

A. Schulman Europe

Message:

VITAMIDE® AK40 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® AK40 are:

Flame Rated

RoHS Compliant

Fast Molding Cycle

Nucleated

Typical application of VITAMIDE® AK40: Lighting Applications

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Nucleated		
Uses	Lighting Fixtures		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Molding Shrinkage	1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.0	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	95.0	°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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