

VITAMIDE® BK40

Polyamide 6
A. Schulman Europe

Message:

VITAMIDE® BK40 is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® BK40 are:

Flame Rated
RoHS Compliant
Fast Molding Cycle
Nucleated

Typical applications include:

Containers
Engineering/Industrial Parts

General Information			
UL YellowCard	E132739-567490		
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Nucleated		
Uses	Containers		
	Gears		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage	1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	185	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Melting Temperature (DSC)	221	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093

Electric Strength (2.00 mm)	18	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600	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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