

VITAMIDE® AR3X

Polyamide 66
A. Schulman Europe

Message:

VITAMIDE® AR3X is a Polyamide 66 (Nylon 66) material filled with 50% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AR3X are:

Flame Rated
RoHS Compliant
Heat Stabilizer

Typical application of VITAMIDE® AR3X: Caps/Lids/Closures

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Closures		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	240	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	13000	MPa	ISO 178
Flexural Stress	320	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	15	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	°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)	35	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

