

VITAMIDE® AR14

Polyamide 66
A. Schulman Europe

Message:

VITAMIDE® AR14 is a Polyamide 66 (Nylon 66) material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AR14 are:

Flame Rated

RoHS Compliant

Typical application of VITAMIDE® AR14: Housings

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Uses	Housings		
	Machinery Maintenance/Repair		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	140	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	7.5	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 230	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 220	°C	ISO 75-2/A
Melting Temperature (DSC)	255	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Electric Strength (2.00 mm)	32	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
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13

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Recommended distributors for this material

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