

VITAMIDE® AR15

Polyamide 66

A. Schulman Europe

Message:

VITAMIDE® AR15 is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AR15 are:

Flame Rated

RoHS Compliant

Typical application of VITAMIDE® AR15: Plumbing/Piping/Potable Water

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Uses	Plumbing Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress	240	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	12	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)	34	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	700	°C	IEC 60695-2-13

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