

VITAMIDE® AR66

Polyamide 66

A. Schulman Europe

Message:

VITAMIDE® AR66 is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AR66 are:

- Flame Rated
- RoHS Compliant
- Chemical Resistant
- Heat Stabilizer

Typical application of VITAMIDE® AR66: Tanks

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Glycol Resistant		
	Heat Stabilized		
	Hydrolysis Resistant		
	Oil Resistant		
Uses	Tanks		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	185	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	9000	MPa	ISO 178
Flexural Stress	285	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	12	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Melting Temperature (DSC)	262	°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)	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

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Recommended distributors for this material

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