

VITAMIDE® AR13

Polyamide 66
A. Schulman Europe

Message:

VITAMIDE® AR13 is a Polyamide 66 (Nylon 66) material filled with 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AR13 are:

Flame Rated

RoHS Compliant

Typical application of VITAMIDE® AR13: Housings

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Uses	Housings		
	Machinery Maintenance/Repair		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Molding Shrinkage	0.45	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	125	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 220	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 210	°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)	34	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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