

VITAMIDE® AI14

Polyamide 66

A. Schulman Europe

Message:

VITAMIDE® AI14 is a Polyamide 66 (Nylon 66) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of VITAMIDE® AI14 are:

- Flame Rated
- RoHS Compliant
- Impact Resistant

Typical application of VITAMIDE® AI14: Engineering/Industrial Parts

General Information			
Features	High Impact Resistance		
Uses	Valves/Valve Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Molding Shrinkage	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	70	%	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	70	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 175	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 65.0	°C	ISO 75-2/A
Melting Temperature (DSC)	250	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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