

VITAMIDE® BR16

Polyamide 6
A. Schulman Europe

Message:

VITAMIDE® BR16 is a Polyamide 6 (Nylon 6) 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® BR16 are:
Flame Rated
RoHS Compliant
Typical application of VITAMIDE® BR16: Plumbing/Piping/Potable Water

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Plumbing Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	180	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress	230	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	217	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Melting Temperature (DSC)	221	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Electric Strength (2.00 mm)	22	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	650	°C	IEC 60695-2-13

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

