

VITAMIDE® BR18

Polyamide 6
A. Schulman Europe

Message:

VITAMIDE® BR18 is a Polyamide 6 (Nylon 6) material filled with 40% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of VITAMIDE® BR18 are:
Flame Rated
RoHS Compliant
Typical application of VITAMIDE® BR18: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Uses	Automotive Applications		
	Automotive Under the Hood		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm³	ISO 1183
Molding Shrinkage	0.10 to 0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	195	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	9500	MPa	ISO 178
Flexural Stress	270	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	16	kJ/m²	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	214	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°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

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Recommended distributors for this material

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