

Technical Data Sheet

Vitamide BR36BK 9006



Polyamide 6

Product Description

Vitamide BR36BK 9006 is a Polyamide 6 Glass Fiber, 30% filled material.

Regulatory Status

For regulatory compliance information, see Vitamide BR36BK 9006 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Europe
Appearance	Black
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.35	g/cm ³	ISO 1183
Density - Specific Gravity	1.35	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Break	145	MPa	ASTM D638
Tensile Strain at Break	3.5	%	ISO 527-2
Flexural Modulus	7700	MPa	ASTM D790
Tensile Elongation at Break	3.5	%	ASTM D638
Tensile Stress at Break	145	MPa	ISO 527-2
Flexural Stress	210	MPa	ISO 178
Flexural Strength at Break	210	MPa	ASTM D790
Impact			
Charpy Impact Strength - Notched	13	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched	65	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	215	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	205	°C	ISO 75-2/A
Deflection Temperature Under Load Unannealed (264 psi)	205	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	215	°C	ASTM D648
DSC Melting Point	220	°C	ISO 1218
Peak Melting Temperature	220	°C	ASTM D2117
Coefficient of Linear Thermal Expansion (CLTE), Flow	3.2E-05	cm/cm/°C	ASTM D696
Electrical			
Volume Resistivity	1E+15	ohm*cm	ASTM D257
Dielectric Strength	60	kV/mm	ASTM D149
Comparative Tracking Index (CTI), (Solution A)	550	V	IEC 60112
Flammable			
Oxygen Index	22	%	ISO 4589-2
Additional Information			

Water Absorption 24h/23C	1.4	%	ISO 62
Water Absorption at 24 hrs, (23 °C)	1.4	%	ASTM D570
UL Information			
Flame Rating	HB		UL 94

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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