

VITAMIDE® BG35BK6689

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BG35BK6689 is a Polyamide 6 (Nylon 6) product filled with 25% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.0	%	ASTM D570
23°C, 24 hr	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5000	MPa	ASTM D790, ISO 178
Flexural Strength	110	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	30	kJ/m²	ISO 179
Notched Izod Impact Strength	6.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	210	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ASTM D648, ISO 75-2/A
Melting Temperature	218	°C	ISO 1218, ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	21	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
-- 1	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	Solution A		

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Recommended distributors for this material

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