

VITAMIDE® BG32WT6565

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BG32WT6565 is a Polyamide 6 (Nylon 6) product filled with 10% mineral. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	85.0	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 Stress			
--	110	MPa	ISO 178
Break	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	32	kJ/m ²	ISO 179
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	205	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	160	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	218	°C	ASTM D2117, ISO 1218
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	21	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index (Solution A)	480	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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