

VITAMIDE® BB74BG6720

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BB74BG6720 is a Polyamide 6 (Nylon 6) product filled with 20% glass bead. It is available in Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
Appearance	Beige		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.1	%	ASTM D570
23°C, 24 hr	1.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break	75.0	MPa	ISO 527-2
--	75.0	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638, ISO 527-2
Flexural Modulus	3300	MPa	ASTM D790, ISO 178
Flexural Strength	140	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	35	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	197	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	88.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	218	°C	ISO 1218, ASTM D2117
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	6.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	14	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
--	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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