

VITAMIDE® BB16GY6130

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BB16GY6130 is a Polyamide 6 (Nylon 6) product filled with 30% glass bead. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Appearance	Grey		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	1.7	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	11	%	ASTM D638, ISO 527-2
Flexural Modulus	3600	MPa	ASTM D790, ISO 178
Flexural Stress			
--	130	MPa	ISO 178
Break	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	4.00	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	40.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	40	kJ/m ²	ISO 179
Notched Izod Impact Strength	4.0	kJ/m ²	ISO 180
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	ASTM D2117, ISO 1218
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+15	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	14	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
-- ³	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method

Flame Rating	HB	UL 94
NOTE		
1.	Method B	
2.	Method A	
3.	Solution A	

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