

VITAMIDE® BG35BK6357

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BG35BK6357 is a Polyamide 6 (Nylon 6) product filled with 25% glass fiber. It is available in Europe.
Characteristics include:
Flame Rated
Flame Retardant
Halogen Free
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	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)	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 Stress			
--	110	MPa	ISO 178
Break	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	5.00	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	30.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	30	kJ/m ²	ISO 179
Notched Izod Impact Strength	6.0	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
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	450	V	IEC 60112
-- ³	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
NOTE			
1.	Method B		
2.	Method A		
3.	Solution A		

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