

VITAMIDE® BR76BK6758

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BR76BK6758 is a Polyamide 6 (Nylon 6) product. It is available in Europe.
Characteristics include:
Flame Rated
Carbon Black

General Information			
Additive	Carbon Black		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.4	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	145	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	7700	MPa	ASTM D790, ISO 178
Flexural Stress			
--	210	MPa	ISO 178
Break	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	13.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	65.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	65	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	215	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	206	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ASTM D2117, ISO 1218
CLTE - Flow	3.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	60	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	550	V	IEC 60112
-- ³	550	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Oxygen Index	22	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method B		
2.	Method A		
3.	Solution A		

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