

VITAMIDE® BC10BK6549

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BC10BK6549 is a Polyamide 6 (Nylon 6) product. It is available in Europe.
Characteristics include:
Flame Rated
Lubricated

General Information			
Additive	Graphite Powder Lubricant (8%)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	2.6	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	50.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	120	%	ASTM D638, ISO 527-2
Flexural Modulus	2600	MPa	ASTM D790, ISO 178
Flexural Stress			
--	94.0	MPa	ISO 178
Break	94.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	190	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	218	°C	ASTM D2117, ISO 1218
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+13	ohms · cm	ASTM D257, IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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