

VITAMIDE® BI12BK6523

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BI12BK6523 is a Polyamide 6 (Nylon 6) product. It is available in Europe.

Characteristics include:

Flame Rated

Impact Modified

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	1.2	%	Internal Method
Water Absorption (23°C, 24 hr)	2.8	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	63.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	360	%	ASTM D638, ISO 527-2
Flexural Modulus	600	MPa	ASTM D790, ISO 178
Flexural Stress			
--	27.0	MPa	ISO 178
Break	27.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	42	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	165	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	55.0	°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	4.0E+13	ohms · cm	ASTM D257, IEC 60093
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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