

VITAMIDE® BY12BK6350

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BY12BK6350 is a Polyamide 6 (Nylon 6) product filled with 10% mineral. It is available in Europe.
Characteristics include:
Flame Rated
Flame Retardant

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.90	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	60.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	10	%	ASTM D638, ISO 527-2
Flexural Modulus	2750	MPa	ASTM D790, ISO 178
Flexural Stress			
--	100	MPa	ISO 178
Break	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	50	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	200	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	220	°C	ASTM D2117, ISO 1218
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	19	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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