

VITAMIDE® BH38NT6370

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BH38NT6370 is a Polyamide 6 (Nylon 6) product filled with 40% mineral. It is available in Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.0	%	ASTM D570
23°C, 24 hr	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break	60.0	MPa	ISO 527-2
--	60.0	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5750	MPa	ASTM D790, ISO 178
Flexural Strength	65.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	20	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	140	°C	ASTM D648, ISO 75-2/A
Melting Temperature	218	°C	ISO 1218, ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	6.0E+14	ohms	ASTM D257, IEC 60093
Dielectric Strength	25	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	500	V	IEC 60112
--	500	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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