

VITAMIDE® BX30WT6616

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BX30WT6616 is a Polyamide 6 (Nylon 6) product. It is available in Europe.
Characteristics include:
Flame Rated
Flame Retardant
Heat Stabilizer

General Information			
Additive	Halogen		
	Heat Stabilizer		
Features	Flame Retardant		
	Halogenated		
	Heat Stabilized		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	1.2 to 1.5	%	Internal Method
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	3000	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 Notched Impact Strength ¹	14.5	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	50.0	kJ/m ²	ASTM D256
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
Melting Temperature	220	°C	ASTM D2117, ISO 1218
CLTE - Flow	3.5E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+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
-- ³	550	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	30	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method B		
2.	Method A		
3.	Solution A		

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