

VITAMIDE® BX30WT6173

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BX30WT6173 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		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	1.5	%	
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 to 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 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
-- 1	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.	Solution A		

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