

VITAMIDE® BX30WT6090

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BX30WT6090 is a Polyamide 6 (Nylon 6) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	1.5	%	Internal Method
Water Absorption (23°C, 24 hr)	0.90	%	ASTM D570, ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	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 Strength	100	MPa	ASTM D790, ISO 178
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	ISO 1218, ASTM D2117
CLTE - Flow	3.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+3	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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