

VITAMIDE® BB1XNT6253

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BB1XNT6253 is a Polyamide 6 (Nylon 6) product filled with 50% glass bead. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Bead,50% Filler by Weight		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	1.6	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	48.4	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	1.5	%	ASTM D638, ISO 527-2
Flexural Modulus	4870	MPa	ASTM D790, ISO 178
Flexural Stress			
--	94.5	MPa	ISO 178
Break	94.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	30.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	30	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	197	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	88.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ASTM D2117, ISO 1218
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			

1. Method A

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