

VITAMIDE® AB18NT6046

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AB18NT6046 is a Polyamide 66 (Nylon 66) product filled with 40% glass bead. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Bead,40% Filler by Weight		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	85.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	15	%	ASTM D638, ISO 527-2
Flexural Modulus	4700	MPa	ASTM D790, ISO 178
Flexural Stress			
--	140	MPa	ISO 178
Break	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	4.00	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	25.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	225	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°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
Dielectric Strength	30	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
-- ³	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	26	%	ASTM D2863, ISO 4589-2

NOTE	
1.	Method B
2.	Method A
3.	Solution A

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