

VITAMIDE® AB76NT6501

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AB76NT6501 is a Polyamide 66 (Nylon 66) product filled with 30% glass bead. It is available in Europe.

Characteristics include:

Flame Rated

UV Stabilized

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	UV Stabilizer		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	1.6	%	Internal Method
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	9.0	%	ASTM D638, ISO 527-2
Flexural Modulus	3900	MPa	ASTM D790, ISO 178
Flexural Stress			
--	130	MPa	ISO 178
Break	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179
Notched Izod Impact Strength	3.5	kJ/m ²	ISO 180
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	95.0	°C	ASTM D648, ISO 75-2/A
Peak 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
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	25	%	ASTM D2863, ISO 4589-2

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