

VITAMIDE® AR16WT6307

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AR16WT6307 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	160	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	8300	MPa	ASTM D790, ISO 178
Flexural Strength	250	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	75	kJ/m²	ISO 179
Notched Izod Impact Strength	9.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ISO 1218, ASTM D2117
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	24	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
--	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	23	%	ASTM D2863, ISO 4589-2

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