

VITAMIDE® AT37BK6318

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AT37BK6318 is a Polyamide 66 (Nylon 66) product filled with 33% glass fiber. It is available in Europe.

Characteristics include:

Flame Rated

Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Shock Absorbent		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	130	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	4.0	%	ASTM D638, ISO 527-2
Flexural Modulus	7500	MPa	ASTM D790, ISO 178
Flexural Stress			
--	200	MPa	ISO 178
Break	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	16	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	16.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	78.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	78	kJ/m ²	ISO 179
Notched Izod Impact Strength	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	250	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ASTM D2117, ISO 1218
CLTE - Flow	2.4E-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	34	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	23	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method B		
2.	Method A		
3.	Solution A		

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