

VITAMIDE® AI12WT6430

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AI12WT6430 is a Polyamide 66 (Nylon 66) product. It is available in Europe.

Characteristics include:

Flame Rated

Impact Modified

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.7	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	70.0	MPa	ISO 527-2
--	70.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638, ISO 527-2
Flexural Modulus	1650	MPa	ASTM D790, ISO 178
Flexural Strength	75.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	58	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	58.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	No Break		ASTM D256
Charpy Unnotched Impact Strength	No Break		ISO 179
Notched Izod Impact Strength	60	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	185	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	260	°C	ASTM D2117, ISO 1218
CLTE - Flow	7.0E-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	31	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
NOTE			
1.	Method B		
2.	Method A		

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Recommended distributors for this material

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