

VITAMIDE® AS20WT6432

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AS20WT6432 is a Polyamide 66 (Nylon 66) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.3	%	ASTM D570
23°C, 24 hr	1.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	74.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	55	%	ASTM D638, ISO 527-2
Flexural Modulus	2400	MPa	ASTM D790, ISO 178
Flexural Strength	100	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	210	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ISO 1218, ASTM D2117
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	4.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	27	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	> 530	V	IEC 60112
--	> 530	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
Oxygen Index	27	%	ASTM D2863, ISO 4589-2

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