

VITAMIDE® AK20BK6424

Polyamide 66
Jackdaw Polymers

Message:

VITAMIDE® AK20BK6424 is a Polyamide 66 (Nylon 66) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	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 Stress			
Break	90.0	MPa	ISO 527-2
--	90.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Flexural Modulus	3100	MPa	ASTM D790, ISO 178
Flexural Strength	120	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	5.00	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	No Break		ISO 179
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	200	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	260	°C	ASTM D2117, ISO 1218
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	28	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	600	V	IEC 60112
--	600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
NOTE			
1.	Method B		

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