

VITAMIDE® AK40BK8512

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AK40BK8512 is a Polyamide 66 (Nylon 66) product. It is available in Europe.

Characteristics include:

- Flame Rated
- Flame Retardant
- Nucleated

General Information			
Additive	Flame Retardant		
	Nucleating Agent		
Features	Flame Retardant		
	Nucleated		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	90.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Flexural Modulus	3100	MPa	ASTM D790, ISO 178
Flexural Stress			
--	120	MPa	ISO 178
Break	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
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

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

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