

VITAMIDE® AI10BK6201

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AI10BK6201 is a Polyamide 66 (Nylon 66) product. It is available in Europe.

Characteristics include:

Flame Rated

Plasticized

General Information			
Additive	Plasticizer		
Features	Plasticized		
	Shock Absorbent		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)	1.0 to 7.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	2.3	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	55.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 30	%	ASTM D638, ISO 527-2
Flexural Modulus	2000	MPa	ASTM D790, ISO 178
Flexural Stress			
--	80.0	MPa	ISO 178
Break	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	No Break		ASTM D256
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Notched Izod Impact Strength	18	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	190	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	253	°C	ISO 306/A50
--	216	°C	ISO 306/B50
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	27	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	600	V	IEC 60112
-- ²	600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Oxygen Index	27	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method A		
2.	Solution A		

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