

VITAMIDE® AI10BK6201CT

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AI10BK6201CT 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)	5.0 to 10	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)	65.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	52	%	ASTM D638, ISO 527-2
Flexural Modulus	2200	MPa	ASTM D790, ISO 178
Flexural Stress			
--	90.0	MPa	ISO 178
Break	90.0	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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

