

VITAMIDE® AI10BK9005

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AI10BK9005 is a Polyamide 66 (Nylon 66) product. It is available in Europe.

Characteristics include:

Flame Rated

Impact Modified

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.0 to 1.4	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	75.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Flexural Modulus	2600	MPa	ASTM D790, ISO 178
Flexural Stress			
--	100	MPa	ISO 178
Break	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	185	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	255	°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)	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	27	%	ASTM D2863, ISO 4589-2

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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

