

VITAMIDE® AY36BK8513

Polyamide 66
Jackdaw Polymers

Message:

VITAMIDE® AY36BK8513 is a Polyamide 66 (Nylon 66) product filled with 30% glass bead. It is available in Europe.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	60.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	4.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4340	MPa	ASTM D790, ISO 178
Flexural Stress			
--	60.0	MPa	ISO 178
Break	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	26	kJ/m ²	ISO 179
Notched Izod Impact Strength	18	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	225	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	255	°C	ASTM D2117, ISO 1218
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
Oxygen Index	28	%	ASTM D2863, ISO 4589-2

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