

VITAMIDE® AR34BK9011

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AR34BK9011 is a Polyamide 66 (Nylon 66) product filled with 20% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	0.70	%	Internal Method
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	142	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.6	%	ASTM D638, ISO 527-2
Flexural Modulus	6200	MPa	ASTM D790, ISO 178
Flexural Stress			
--	205	MPa	ISO 178
Break	205	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	252	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	248	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	260	°C	ASTM D2117, ISO 1218
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	22	%	ASTM D2863, ISO 4589-2

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