

VITAMIDE® AY15BK6345

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AY15BK6345 is a Polyamide 66 (Nylon 66) product filled with 25% glass fiber. It is available in Europe.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Halogen		
Features	Flame Retardant		
	Halogenated		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.2	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	140	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	8300	MPa	ASTM D790, ISO 178
Flexural Stress			
--	210	MPa	ISO 178
Break	210	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	250	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ASTM D2117, ISO 1218
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	21	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
-- 1	450	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Oxygen Index	31	%	ASTM D2863, ISO 4589-2

NOTE

1. Solution A

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