

VITAMIDE® BW34BK6358

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BW34BK6358 is a Polyamide 6 (Nylon 6) product filled with 20% carbon fiber. It is available in Europe.
Characteristics include:
Flame Rated
Heat Stabilizer

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	190	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.5	%	ASTM D638, ISO 527-2
Flexural Modulus	11700	MPa	ASTM D790, ISO 178
Flexural Stress			
--	234	MPa	ISO 178
Break	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	0.80	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	7.5	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	215	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	180	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ASTM D2117, ISO 1218
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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Recommended distributors for this material

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