

VITAMIDE® BR36GY6151

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BR36GY6151 is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It is available in Europe.
Characteristics include:
Flame Rated
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Grey		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.40	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.95	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	180	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.2	%	ASTM D638, ISO 527-2
Flexural Modulus	8700	MPa	ASTM D790, ISO 178
Flexural Stress			
--	260	MPa	ISO 178
Break	260	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	24.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	24	kJ/m ²	ISO 179
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	205	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ASTM D2117, ISO 1218
CLTE - Flow	3.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+15	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	22	kV/mm	ASTM D149, IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	22	%	ASTM D2863, ISO 4589-2

NOTE

1. Method A

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Recommended distributors for this material

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