

VITAMIDE® BR13NT8521

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BR13NT8521 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm³	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)	4.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4800	MPa	ASTM D790, ISO 178
Flexural Stress			
--	160	MPa	ISO 178
Break	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.5	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	40	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	210	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	190	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	220	°C	ASTM D2117, ISO 1218
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	24	%	ASTM D2863, ISO 4589-2

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