

VITAMIDE® BR15NT6504

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BR15NT6504 is a Polyamide 6 (Nylon 6) product filled with 25% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	160	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	8100	MPa	ASTM D790, ISO 178
Flexural Stress			
--	250	MPa	ISO 178
Break	250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	212	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	200	°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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