

VITAMIDE® BT39NT6508

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BT39NT6508 is a Polyamide 6 (Nylon 6) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.3	%	ASTM D570
23°C, 24 hr	1.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break	210	MPa	ISO 527-2
--	210	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	11000	MPa	ASTM D790, ISO 178
Flexural Strength	230	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	20.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	95.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	95	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	ISO 1218, ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	30	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	550	V	IEC 60112
--	550	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Method B		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

