

VITAMIDE® BF23RD6464

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BF23RD6464 is a Polyamide 6 (Nylon 6) product. It is available in Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.0	%	ASTM D570
23°C, 24 hr	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break	80.0	MPa	ISO 527-2
--	80.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638, ISO 527-2
Flexural Modulus	3200	MPa	ASTM D790, ISO 178
Flexural Strength	95.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	90	kJ/m ²	ISO 179
Notched Izod Impact Strength	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	200	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	218	°C	ISO 1218, ASTM D2117
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	37	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	600	V	IEC 60112
--	600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.750 mm	850	°C	
1.50 mm	850	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13

0.750 mm	775	°C	
1.50 mm	775	°C	
Oxygen Index	> 30	%	ASTM D2863, ISO 4589-2

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

