



Technical Data 96-570

Bedford Materials Co., Inc.
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5J52 Black

Oleoresinous Varnished Polyester-Glass For 130°C Applications

Application of 5J52

Bedford Materials 5J52 varnished Polyester-glass fabric and tape are composed of Polyester warp and glass-fiber filling threads, treated with black oleoresinous varnish. These materials are recommended for both hand and machine wrapping and for irregular shapes.

Advantages

Straight weave with bias characteristics.

Exceptionally high dielectric strength.

Retains dielectric strength on heat aging.

Excellent flexibility and conforms well to irregular shapes.

High tensile and edge-tear strength.

Specifications (Typical Values)

Nominal Thickness (Inches).....	0.008	0.010	0.012
Thickness Tolerance (inches).....	+0.001	+0.001	+0.001
	-0.001	-0.001	-0.001
Edge Tear.....	70	70	70
Weight, Approximate (lbs./sq. yd.).....	0.45	0.56	0.68
Tensile (lbs./in. of width).....	38	38	38
¹ Dielectric Strength, 1/4 in. Dia. Electrodes, Short Time Method (volts/mil)			
as Received.....	1,400		
Elongation – 6%.....	1,100		
Elongation – 12%.....	1,100		
Dielectric Retention after Heat Aging (%)			
After 2328 Hours (97 days) at 135°C.....	84.5		
After 47 Hours (2 days) at 250°C.....	72.8		

¹ – ASTM-D-295.

Ordering Information

Tape supplied in standard length rolls of 36 and 72 yards on 1 inch ID cores. Supplied in 36 and 50 yard rolls, 36 inches wide, on 2 inch ID cores. Specify quantity, thickness, width and length required.



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5J83 Tan

Oleoresinous Varnished Polyester-Glass For 130°C Applications

Application of 5J83

Bedford Materials 5J83 varnished Polyester-glass fabric and tape are composed of Polyester warp and glass-fiber filling threads, treated with tan oleoresinous varnish. These materials are recommended for both hand and machine wrapping and for irregular shapes.

Advantages

Straight weave with bias characteristics.

Exceptionally high dielectric strength.

Retains dielectric strength on heat aging.

Excellent flexibility and conforms well to irregular shapes.

High tensile and edge-tear strength.

Specifications (Typical Values)

Nominal Thickness (Inches).....	0.008	0.010
Thickness Tolerance (inches).....	+0.001	+0.001
	-0.001	-0.001
Edge Tear.....	70	70
Weight, Approximate (lbs./sq. yd.).....	0.45	0.56
Tensile (lbs./in. of width).....	38	38
¹ Dielectric Strength, 1/4 in. Dia. Electrodes, Short Time Method (volts/mil)		
as Received.....	1,300	
Elongation -6%.....	1,000	
Elongation (% min.)		
3 min. 25 lb. Load/inch width.....	6	

¹ – ASTM-D-295.

Ordering Information

Tape supplied in standard length rolls of 36 and 72 yards on 1 inch ID cores. Supplied in 36 and 50 yard rolls, 36 inches wide, on 2 inch ID cores. Specify quantity, thickness, width and length required.

Bedford Materials has no control over the final application of the product by others, therefore, the information contained herein is intended as a general guide to product use and should not be construed as a warranty.