



Technical Data 96-550

Bedford Materials Co., Inc.  
 7676 Allegheny Rd  
 Manns Choice, PA 15550  
 Phone: (814) 623-9014  
 Fax: (814) 623-9199  
 E-Mail: [bedmat@bedford.net](mailto:bedmat@bedford.net)

# 1265 Black

## Bias Weave Varnished Cambric Cloth and Tape For Class A (105°C) Application

### Application of 1265 Black

Bedford Materials 1265 cloth and tape uses a fine bias (diagonal) weave cotton cloth impregnated with an electrical insulating varnish. Bias cut varnished cambric is a Class A (105°C) insulation which has the advantages of conformity and elongation. It conforms tightly to irregular shapes and surfaces to give a snug insulative wrapping for use on armature coils, motors, transformers, bus bars, cable joints, and similar applications.

### Advantages

**High Electrical Strength:** 1000 volts per mil or higher.

**Good Elongated Properties:** Varnish coating on bias weave cambric is extremely flexible for wrapping tightly over uneven surfaces, around corners, and over variable contours, eliminating air pockets and irregularities.

**Meets requirements of MIL-I-3374**, Type I and II, Class 1.

**Good oil and moisture resistance.**

**Good slippage:** Assured by light oil finish on surface of tape.

### Specifications (Typical Values)

Nominal Thickness (Inches).....	0.007	0.010	0.012	0.015
Weight, Approximate (lbs./sq. yd.).....	0.40	0.55	0.65	0.80
<sup>1</sup> Tensile Strength (lbs./in. of width).....	40	40	40	40
<sup>2</sup> Elongation, 6lbs. (%).....	3	6	6	6
Average Breakdown, ¼ in. Dia. Electrodes, Short				
Time Test (volts/mil thickness).....	1,150	1,150	1,100	1,100
Color.....	Black with light oil finish.			
	Other finishes available on negotiation.			
Standard Core Size, Tape.....	1 inch ID. 3/8 inch Id core available on request.			
Standard Core Size, 36 inch Cloth.....	←----- 2 inch ID -----→			
Also available dry-packed or in oil to customer specification.				

<sup>1</sup> - Obtained on Scott Tester of the dead weight pendulum type.

<sup>2</sup> - ASTM-D-295.

### Ordering Information

Tape is furnished in standard roll lengths of 36 and 72 yards. Non-standard lengths and oil packing quoted on request. Standard tape packed in waterproof packages approximately 10-11 inches long.

Specify dry or oily finish.

Specify thickness, width and length of tape wanted.



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# 1266 Tan

## Bias Weave Varnished Cambric Cloth and Tape For Class A (105°C) Application

### Application of 1266 Tan

Bedford Materials 1266 cloth and tape uses a fine bias (diagonal) weave cotton cloth impregnated with an electrical insulating varnish. Bias cut varnished cambric is a Class A (105°C) insulation which has the advantages of conformity and elongation. It conforms tightly to irregular shapes and surfaces to give a snug insulative wrapping for use on armature coils, motors, transformers, bus bars, cable joints, and similar applications.

### Advantages

**High Electrical Strength:** 1000 volts per mil or higher.

**Good Elongated Properties:** Varnish coating on bias weave cambric is extremely flexible for wrapping tightly over uneven surfaces, around corners, and over variable contours, eliminating air pockets and irregularities.

**Meets requirements of MIL-I-3374,** Type I and II, Class 1.

**Good oil and moisture resistance.**

**Good slippage:** Assured by light paraffin coat on surface of tape.

### Specifications (Typical Values)

Nominal Thickness (Inches).....	0.007	0.010	0.012	0.015
Weight, Approximate (lbs./sq. yd.).....	0.40	0.55	0.65	0.80
<sup>1</sup> Tensile Strength (lbs./in. of width).....	40	40	40	40
<sup>2</sup> Elongation, 6lbs. (%).....	1.5	1.8	2	2
Average Breakdown, ¼ in. Dia. Electrodes, Short				
Time Test (volts/mil thickness).....	1000	1100	1100	1000
Color.....	Tan with paraffin finish.			
	Other finishes available on negotiation.			
Standard Core Size, Tape.....	1 inch ID. 3/8 inch ID core available on request.			
Standard Core Size, 36 inch Cloth.....	←----- 2 inch ID -----→			
Also available dry-packed or in oil to customer specification.				

<sup>1</sup> - Obtained on Scott Tester of the dead weight pendulum type.

<sup>2</sup> - ASTM-D-295.

### Ordering Information

Standard tape rolls are 36 and 72 yards long. Full width fabric, 36 inches. Non-standard lengths and oil packing will be quoted on request. Standard tape packed in waterproof packages approximately 10-11 inches long.

Specify thickness, width and length of tape wanted.

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