

Westinghouse



Varnished Dacron-Glass Fabric and Tape 5J51 Tan, 5J52 Black

Insulating Material

Application of 5J51

Westinghouse 5J51 varnished Dacron-glass fabric and tape are composed of Dacron warp and glass-fiber filling threads, treated with tan Class F 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.**
- Retain dielectric strength on heat aging.**
- Excellent flexibility and conform well to irregular shapes.**
- High tensile and edge-tear strength.**
- Meet requirements for Class F insulation.**

Ordering Information

Tape supplied in standard length rolls of 36 and 72 yards on 1 inch ID cores. Supplied in 25 and 50 yard rolls, 36 inches wide, on 2 inch ID cores. Tape packed in waterproof packages approximately 10-11 inches long. Specify quantity, thickness, width and length required. Pressure sensitive backing available for cloth and tape, see TD 64-540.

Specifications (Typical Values)

Nominal Thickness (inches)	0.008	0.010	0.012
Thickness Tolerance (inches)	+0.0015 -0.00	+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)	45	45	45
①Dielectric Strength ¼ in. Dia. Electrodes, Short Time Method (volts/mil)			
as Received	2000		
Elongation - 6%	1800		
Elongation - 12%	1400		
Dielectric Retention after Heat Aging (%)			
After 2328 Hours (97 days) at 135°C	92.2		
After 47 Hours (2 days) at 250°C	85.2		

① ASTM-D-295-58

Application of 5J52

Westinghouse 5J52 varnished Dacron-glass fabric and tape are composed of Dacron warp and glass-fiber filling threads, treated with a black oleo resinous varnish. It is 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.**

Ordering Information

Tape supplied in standard length rolls of 36 and 72 yards on 1 inch ID cores. Supplied in 25 and 50 yard rolls, 36 inches wide on 2 inch ID cores. Tape packed in waterproof packages approximately 10-11 inches long. Specify quantity, thickness, width and length required. Pressure sensitive backing available for cloth and tape, see TD 64-540.

Specifications (Typical Values)

Nominal Thickness (inches)	0.008	0.010	0.012
Thickness Tolerance (inches)	+0.0015 -0.00	+0.001 -0.001	+0.001 -0.001
Edge Tear	80	80	80
Weight, Approximate (lbs/sq. yd.)	0.45	0.56	0.68
Tensile (lbs/in. of width)	45	45	45
①Dielectric Strength ¼ in. Electrode, Short Time Method (volts/mil)			
as Received	2000		
Elongation - 6%	1900		
Elongation - 12%	1600		
Dielectric Retention after Heat Aging (%)			
After 2328 Hours (97 days) at 135°C	85.4		
After 47 Hours (2 days) at 250°C	72.8		

① ASTM-D-295-58

B-Stage Dacron-Glass Fabric 5J68 Red

Insulating Material
For 155C Applications

Application of 5J68

Westinghouse Grade 5J68 composed of Dacron warp and glass fiber filling threads and coated with heat sealing modified epoxy resin meeting Class F temperature classification.

Recommended for wrapping coils and leads, connections and electrical parts for complete seal against moisture, corrosive atmosphere, abrasive elements and other conditions which tend to degrade insulation.

Advantages

Bias like conformability makes tape especially suitable for wrapping, insulating and sealing over and around irregular surfaces and configurations.

Excellent hydrolytic stability. Tape insulates effectively after two weeks continuous immersion in boiling water.

Excellent for use on D.C. machines since resin contains no silicone.

Specifications (Typical Values)

Nominal Thickness (inches).....	.010
Thickness Tolerance (inches).....	+ .001 - .001
Tensile Strength	
Lb./in. width MD.....	45
Lb./in. width CMD.....	50
Weight, Approximate (lbs./sq. yd.).....	81
Electric Strength Approximate (volts/mil).....	1000①
Elongation at Break.....	32-35%
Supplied with polyethylene liner to prevent blocking between layers.	
Maintains properties for approximately six months at 70F storage.	

① For one cured layer

Ordering Information

Available in standard tape widths in rolls 36 and 72 yards long and in rolls 36" wide x 25 and 50 yards long. Specify width of tape and length of rolls wanted. Supplied on 1" I.D. core.