



## Non-Adhesive Tapes for Electrical and Harnessing Applications

### Carolina Narrow Fabric: Woven Fiberglass Tapes

Woven fiberglass tapes have a wide range of uses in the electrical equipment market: Transformers, motors, generators, switch gears, consumer appliances and electronic equipment use these tapes to insulate, seal, or strengthen their various components. They provide excellent tensile strength, electrical insulation, thermal insulation, dimensional stability and thermal endurance.

Style Number	Average Thickness	Width	Weave Type	Warp Ends	Picks Per Inch	Approximate Lbs/ linear yard
1644-2A	.004"	.500"	Plain	26	20	0.0028
1646-2A		.750"	Plain	38	20	0.0041
1648-2A		1.000"	Plain	50	20	0.0054
16412-2A		1.500"	Plain	74	20	0.0080
7553-1	.005"	.375"	Plain	21	23	0.0040
7554-1		.500"	Plain	26	23	0.0050
7556-1		.750"	Plain	37	23	0.0072
7558-1		1.000"	Plain	49	23	0.0095
75512-1		1.500"	Plain	71	23	0.0139
7573-1	.007"	.375"	Plain	21	26	0.0046
7574-1		.500"	Plain	26	26	0.0058
7576-1		.750"	Plain	37	26	0.0084
7578-1		1.000"	Plain	49	26	0.0111
75710-1		1.250"	Plain	60	26	0.0137
75712-1		1.500"	Plain	71	26	0.0162
75716-1		2.000"	Plain	94	26	0.0215



## Non-Adhesive Tapes and Cord

75104-1	.010"	.500"	Plain	22	16	0.0077
75106-1		.750"	Plain	33	16	0.0113
75108-1		1.000"	Plain	44	16	0.0149
751012-1		1.500"	Plain	66	16	0.0222
751016-1		2.000"	Plain	95	16	0.0314
75154-1	.015"	.500"	Plain	15	16	0.0099
75156-1		.750"	Plain	23	16	0.0149
75158-1		1.000"	Plain	31	16	0.0200
751512-1		1.500"	Plain	47	16	0.0300
751516-1		2.000"	Plain	63	16	0.0401
<b>Woven Polyester Warp/Glass Fill Tapes</b>						
2146-1*	.004"	.75"	Plain	46	30	0.0034
2148-1*		1.000"	Plain	60	30	0.0045
21412-1BT		1.500"	Plain	88	30	0.0660
2156-1*	.005"	.75"	Plain	38	36	0.0045
2158-1*		1.000"	Plain	50	36	0.0061
21510-1		1.250"	Plain	62	36	0.0075
21512-1		1.500"	Plain	74	36	0.0089
21516-1		2.000"	Plain	100	36	0.0119
2176-1	.007"	.75"	Plain	38	38	0.0063
2178-1		1.000"	Plain	50	38	0.0084
21712-1		1.500"	Plain	72	38	0.0124



<b>Woven 100% Polyester Tapes</b>						
3154-1	.005"	.500"	Plain	26	38	0.0023
3156-1		.750"	Plain	38	38	0.0034
3158-1*		1.000"	Plain	50	38	0.0045
3176-1	.007"	.750"	Plain	38	38	0.0051
3178-1		1.000"	Plain	50	38	0.0068
31712-1		1.500"	Plain	74	38	0.0101
<b>* indicates tape is available with a center line (tracer)</b>						



### Carolina Narrow Fabric: Woven Cotton Tapes and Webbing

Despite the introduction of revolutionary manmade fabrics, cotton is still used in large quantities for electrical insulation. Cotton is strong since it is a staple fiber with a natural twist.

Carolina Narrow Fabrics Company offers industry cotton tapes and webbings for product improvement at a lower cost. These tapes are available in colors for improving design and appearance. Purified tapes are available for use in hermetic applications.

#### The Varied Uses of Carolina Narrow Fabric Cotton Tapes and Webbings

1. *Electrical.* Used extensively in the electrical industry in the application and insulation of electrical apparatus. Some of the principle uses are: as armature and field coil wrappers, field coil supports, transformer windings and cable wrap.
2. *Appliances.* Small hand tools and small appliances. Electric drills, food mixers, electric knives, etc.
3. *Sacrifice items.* When an economy application is needed in which the wrapping is to be used as a sacrifice item, cotton is the logical answer. It has generally poor resistance to mildew and is flammable. It is attacked by high and low concentrations of acid and alkalis but generally unaffected by organic solvents. Cotton will lose tensile strength at elevated temperatures.

#### Woven Cotton Tapes .005" - .007"

CNF Style Number	Average Thickness	Width	Weave Type	Warp Ends	Picks Per Inch	Approximate Lbs/ linear yard
<b>Meets ASTM Type A1</b>						
6863	.005"	.375"	Plain	28	36	0.0020
6864		.500"	Plain	40	36	0.0027
6865		.625"	Plain	48	36	0.0033
6866		.750"	Plain	56	36	0.0039
6868		1.000"	Plain	72	36	0.0051
<b>Light Weight</b>						
6424-20	.007"	.500"	Plain	36	20	0.0026
6426-17		.750"	Plain	46	18	0.0034
6428-17		1.000"	Plain	62	18	0.0045
64210		1.250"	Plain	74	18	0.0054
64212		1.500"	Plain	92	18	0.0066
64216		2.000"	Plain	120	18	0.0087



## Non-Adhesive Tapes and Cord

6433	.007"	.375"	Plain	30	25	0.0022
6434		.500"	Plain	36	25	0.0028
6436		.750"	Plain	46	25	0.0037
6436 D8		.750"	Plain	56	25	0.0042
6438		1.000"	Plain	62	25	0.0049
6438 D9		1.000"	Plain	72	25	0.0056
64312		1.500"	Plain	92	25	0.0073
64312 D10		1.500"	Plain	108	25	0.0083

### Meets ASTM Type A2

7862	.007"	.250"	Plain	22	30	0.0017
7863		.375"	Plain	30	30	0.0024
7863-36		.375"	Plain	30	36	0.0025
7864*		.500"	Plain	42	34	0.0033
7864-36		.500"	Plain	42	36	0.0034
7865		.625"	Plain	48	30	0.0038
7866*		.750"	Plain	56	30	0.0044
7866-36		.750"	Plain	56	36	0.0047
7868*		1.000"	Plain	72	30	0.0057
7868-36		1.000"	Plain	72	36	0.0061
78610		1.250"	Plain	92	30	0.0073
78612*		1.500"	Plain	108	30	0.0086
78616		2.000"	Plain	144	30	0.0114

\* Indicates that this style is also available with Red Tracer (Centerline)

-36 indicates "Special Construction" of 36 pick/inch material