


Lectromat, Inc.

P.O. BOX 608 . Mars, Pennsylvania 16046

Manufacturer of Electrical Insulation Specialties

412 625-3502

781-1335

B-200 SERIES DATA SHEET

DESCRIPTION: These products are polyester fiber felts of various thicknesses saturated with a B-stage epoxy resin. The B-200 felts are flexible and pliable and will conform well to all sorts of odd shapes and contours. When cured with heat, they will become hard and rigid with excellent adhesion to most surfaces. Because of the high resin content, the resin flows readily under light pressure to form a dense structure with a high dielectric strength.

PROPERTIES:	Product Number	B-201	B-203	B-206	B-216	B-230
	Lbs/Sq Yd (Average)					
	Untreated	0.156	0.312	0.625	1.006	2.000
	Treated	1.400	2.460	3.200	7.853	10.000
	Approximate Thickness					
	As Received	.050"	.085"	.125"	.250"	.400"
	Compressed	.025"	.040"	.090"	.150"	.200"
	Resin Content	85% (Approximate)				
	Thermal Class	155				
	Dielectric Strength	350 V/M (Approximate)				
	Length	12 feet				
	Width	1/2 to 30 inches				

APPLICATION: Blocking End Turns - Blocking Coils to Surge Rings

Any one of the B-200 products can be used for blocking. The space to be filled determines the size used.

Sealing Coil Connections - Form Wound Coils

B-201 and B-203 applied 1/2 lap are ideal for taping and sealing coil connections. The resin content is sufficient to give just the right amount of flow to

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insure a good seal with excellent adhesion. Since it is soft and conformable, B-201 offers savings in labor along with a sealed connection with high voltage breakdown strength. On larger motors, if space permits, B-203 can also be used for this purpose.

Slot Filling and Bonding

Any one of the B-200 series can be used to fill space in a slot and at the same time give an excellent bond of the coil to the slot surface.

Laminates and Molded Forms

B-203 and B-206 are suitable for making coil spools, flat laminates, and molded forms. If higher flexural strength is desired, glass cloth can be used for reinforcement. There is sufficient resin in the felt to impregnate the glass fabric.

Bonding Permanent Magnets

B-201, because it can be compressed to about .025" and has excellent bonding properties, is ideal for this application.

CURE CYCLE:	Typical	135°C	8 -16 hours
		150°C	6 - 8 hours
		180°C	2 - 3 hours
SHELF LIFE:		70°F	3 months
		40°F	12 months