



Fabricated Electrical Insulating Bobbins

Fabricated Bobbin Core Materials

Material	Dielectric Strength VPM	Temperature Class °C	Volume Resistivity (Ohm/cm at 25°C)	Dielectric Constant at 1MHz (50% RH, 25°C)	Specific Gravity	Moisture Absorption % (72 Hrs.)
Dielectric Kraft	165	90 (0)	_____	1.3-3.1	.77	60
Vulcanized Fiber †	300	105 (A)	_____	_____	1.15	1.5
Resinite Standard Grade	260	105 (A)	1.2x10 ¹²	3.32	1.24	2.86
Flame Retardant Resinite FR9120-1	250	105 (A)	1.5x10 ¹²	2.73	1.34	3.12
Mylar® †	7,000	150 (B+)	1x10 ¹⁸	3.0	1.39	0.8
Nomex® †	720	220 (H+)	1x10 ¹⁶	2.9	.91	3.9

† — Can also be specified as a flange material.

Heat Resistant Qualities

Fabricated bobbins exhibit unexcelled heat resistant properties. They can be used in applications where plastic bobbins are not satisfactory. The heat resistance of low cost, dielectric kraft is 90°C and bobbins made of "Nomex" can withstand up to 220°C. All bobbin designs are available in flame retardant materials.

Terminals

Complete facilities for attaching terminals to bobbin flanges are available or holes may be pre-punched at the time flanges are made for insertion of your own terminals. Tie-offs and other configurations can also be punched out of the flange itself.

"Plastilokt"

This is a method, that has been patented by Precision, for positively affixing and positioning flanges to the bobbin core. It assures that flanges, and any terminals on these flanges, will stay in position. It also prevents rotational movement in round bobbins and thus reduces labor costs in your plant.

Friction Resistant Cores

In order to make solenoid bobbins more abrasion and friction resistant, we have developed a bobbin whose core is lined with "Mylar®". The dielectric strength of the core is also increased.

Washers

Washers and spacers can be applied to fabricated bobbins. They can be attached to the core according to specifications or placed on the core free to move. These can be die cut to your requirements and can be punched for terminals or terminals can be attached at our factory.

Stock Flanges

Buckeye Bobbin has available over 1,500 stock dies for fabricated bobbin flanges. No tooling charge is involved for bobbins made to these sizes. Samples and prototypes are readily available at nominal cost. (For a copy of our stock flange die list, please request catalog #B-328) These flanges are available in round, square and rectangular shapes. If a flange die is required, it can be produced in minimum time and at very low cost.

Variety of Materials

An extremely wide range of materials is available for fabricated bobbins. These materials are in stock for prompt production of your orders. Materials can also be combined to meet unique specifications. Flange materials can also include polyester glass and glass epoxy.



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