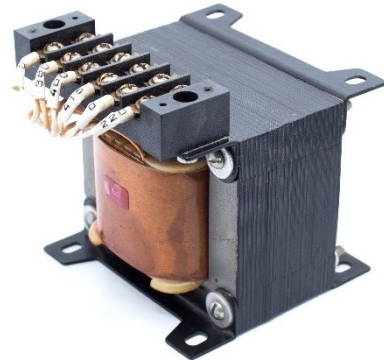


VALOX™ RESINS FOR COIL BOBBINS



VALOX™ RESINS FOR COIL BOBBINS: 420SE0, V4760, ENH4530 AND ENH4550

Coil bobbins (or coil formers) used in electrical industry serve as winding and termination platform for metal wires in a transformer. Thus, in addition to high structural stability, materials used in bobbins should fulfill several safety requirements such as the [UL 1446](#). SABIC VALOX™ RESINS 420SE0, V4760, ENH4530 and ENH4550 can be selected to fulfill such requirements.



TYPICAL INDUSTRY REQUIREMENTS:

- High Stiffness
- Thin wall UL94 V0
- UL 1446 certification
- RTI Electrical $\geq 130^{\circ}\text{C}$
- Chemical resistance against wire coatings

VALOX™ RESINS CHARACTERISTICS:

- PBT glass filled (up to 30%)
- UL94 V0 @ 0.28-0.8 mm
- UL 1446 certified
- RTI $\geq 130^{\circ}\text{C}$
- EIS temperature Class F (155°C) rating

TYPICAL PROPERTIES OF VALOX™ RESINS FOR COIL BOBBINS APPLICATIONS:

VALOX™	Material PBT	Minimum Thickness for UL94 V0 (mm)	Comparative Tracking Index (PLC)	Glow wire Flammability Index ($^{\circ}\text{C}$)	Glow wire Ignition Temp. ($^{\circ}\text{C}$)	Relative Temp. Index / Electrical ($^{\circ}\text{C}$)
420SE0	GF30	0.71	3	960	700	130
V4760	GF30	0.28	2	960@0.4	775@0.4	140@0.4
ENH4530	GF15 /Non Cl, Br	0.8	1	960	750	140
ENH4550	GF25 /Non Cl, Br	0.3	2	960	775	130

For more information, visit www.sabic.com or call us at: T: (0)0 800 1 238 50

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