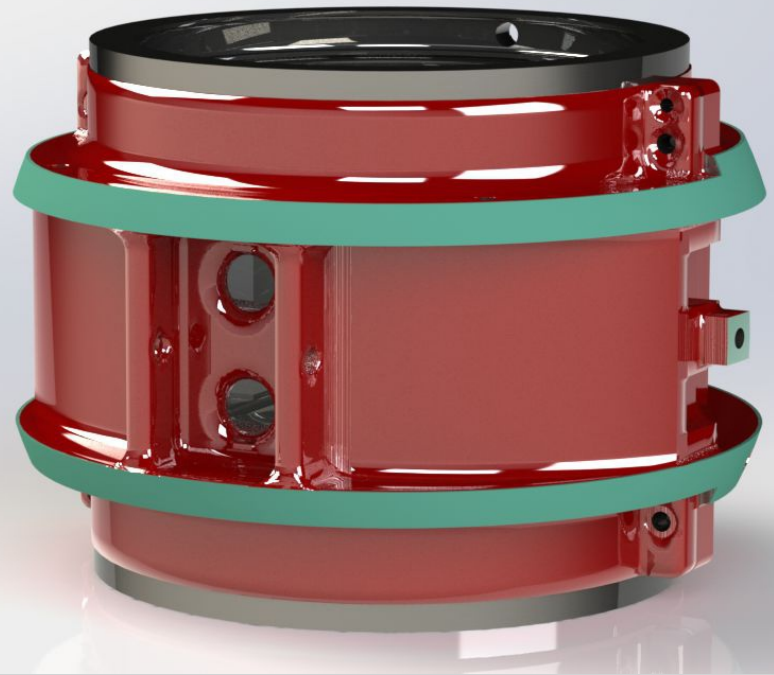




CANADIAN  
BABBITT  
BEARINGS LTD.

# Insulation for Motor Bearings

Canadian Babbitt Bearings Epoxy Electrical Insulation is designed for use in demanding industrial applications. Utilizing the unique CBB process application technique the insulation material can be applied to surfaces where electrical conductivity must be eliminated. It has the added advantage of being fully machinable when cured so tight toleranced surfaces can be maintained.



## Properties and Characteristics

Colour:	Blue - Green	Tensile Strength (psi) ASTM D 2370 & 400µm coating thickness	Temperature °F
Hardness:	90 Rockwell L		
Adhesive strength:	Crosshatch according to DIN 53151 Gt 0-1: no lifting of coating	10200	-18
Coefficient of Friction:	According to API RP5L2 -1968 Appendix 8: 10.8°	9330	73
Thermal Conductivity:	According to MIL-I-16923E: 6x10 <sup>-4</sup> cal/sec/cm <sup>2</sup> /°C /cm	5800	113
Thermal Shock:	10 cycles -100° to 300°F: Unaffected by thermal shock	2700	194
Thermal Expansion Resistance:	90 days in ice, 16 hours freeze, 8 hours heat, temperature range -80° to 250°F: Unaffected by thermal cycling	Impact Strength (in-lbs) ASTM G14	Temperature °F
Electric strength:	According to ASTM D 1000 1150 v/mil at 73°F		
Water Absorption:	Immersion 24 hours at 73°F according to ASTM D 570 DIN 53495 Process CL: 0.83%	40	-26
Chemical Resistance:	No effect under all test conditions for 30 day immersion at 100°F:	80	32
	a) HCL in water pH 2.5-3.0	160	73
	b) HF in water pH 2.5-3.0		
	c) H2SO4 in water pH 2.8		
Electrical resistance:	d) NaCl, H2SO4 in water pH 3.0 (105 ppm chloride)		
	e) NaCl in water, 10% concentrate		
	f) Distilled water		
Electrical resistance:	2000 MΩ at room temperature and using a 500V DC megger		

For further information, please contact  
our Technical Advisors at:

CANADIAN BABBITT BEARINGS LTD.

64 DALKEITH DRIVE, BRANTFORD,  
ONTARIO, CANADA N3P 1N6

T: 519-752-5471

T: 800-963-9863

F: 226-799-0143

[SALES@CBB.CA](mailto:SALES@CBB.CA)

[www.cbb.ca](http://www.cbb.ca)