Canadian Standards Association

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PLEASE REFER TO THIS FILE No. IN YOUR REPLY

LO 4000-4068

May 12, 1988

Mr. Bob Clark
M. G. Chemicals Limited
9347 - 193 Street
Surrey, B. C.
V3T 4W2

Subject: CSA Special Investigation of Printed-Wiring-Board Coating Manufactured by M. G. Chemicals Limited, Code 422, Using Test Conditions in CSA Standard C22.2 No. 142-M1987 and CSA Electrical Bulletin 1402A

Dear Sir:

Three samples of printed-wiring-boards made from epoxy and glass fibre, min 1.59 mm thick, provided with copper traces having spacings between them of 0.25 mm and 0.5 mm and spray-coated with 0.048 grams/square centimetre of M. G. Chemicals conformal coating designated Code 422 were investigated, the results of which are tabulated below:

Clause References Are From CSA Standard C22.2 No. 142-M1987:

SPACING BETWEEN TRACE (mm)	APPLIED VOLTS (AC)	SAMPLES COND. Cl 6.9.2.1 DIEL. Cl 6.9.2.2			SAMPLES COND. 6.9.3.1 DIEL. 6.9.3.2			SAMPLES COND. 6.9.4.1 DIEL. 6.9.4.2			ADHESION
0.25	500	P	P	P	P	P	P	P	P	P	P
0.5	1500	P	P	P	P	P	P	P	P	P	P

For your information, if a manufacturer wishes to utilize the printed-wiring-board coating test which was conducted under this file, it will be necessary for him to forward us either a letter from M. G. Chemicals Limited or a copy of the M. G. Chemical's instruction sheet so long as it contains a statement authorizing us to use the information contained in this File LO 4000-4068.

Since other factors may affect the results of tests on a particular printed-wiring-board (of the type used in this file), further testing by CSA may still be required.

We have now completed our investigation and we trust the above is the information you required and therefore, we are closing our files on this application.

Yours truly,

William J. Hegel

William J. Hegel
Senior Engineering Technologist
Pacific Region Office

WJH/cdb