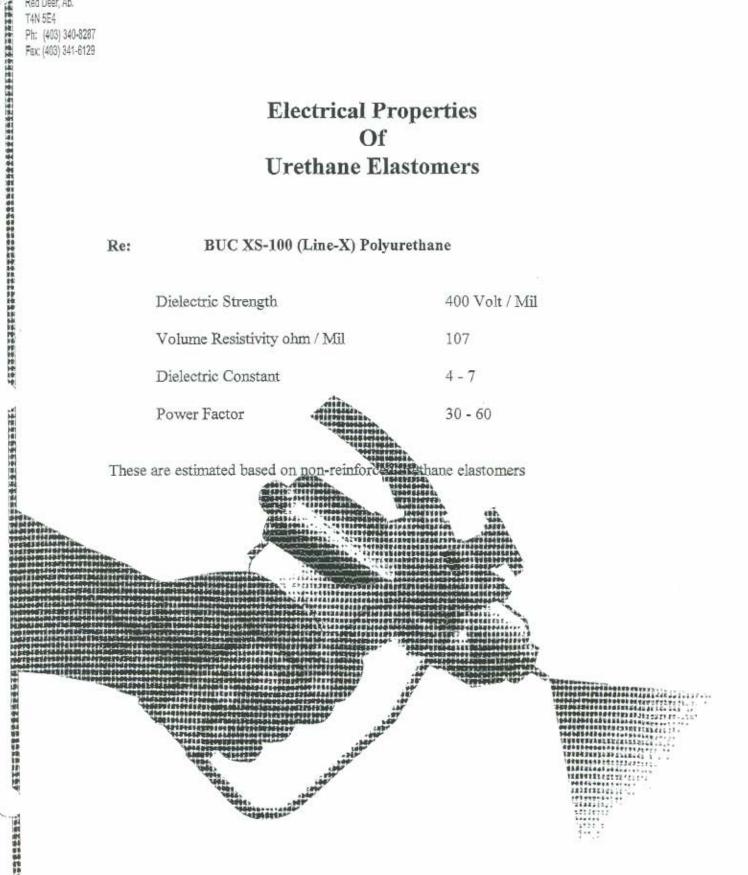


RR4 SITE 19, BOX 10 Red Deer, Ab. T4N 5E4 Ph: (403) 340-8287 Fex: (403) 341-6129

Electrical Properties Of **Urethane Elastomers**

Re:

BUC XS-100 (Line-X) Polyurethane





2026 Bay Road, Stoughton, MA 02072 . (617) 341-8331

January 3, 1997 Project 96231

Mr. Wayne Boudreau Burtin Corporation 2550 Garnsey Street Santa Ana, CA 92707

Dear Mr. Boudreau:

The piece of embossed urethane matting material measuring approximately $17\frac{1}{2}$ " x 24" x 3/16" has been evaluated for electrostatic properties as follows:

- Effective surface resistivity by the general methodology of AATCC 76.
- 2. Charge decay time by the general methodology of FTMS 4046(101c).
- Personnel electrification by the general methodology of AATCC 134 (a walking test).

All conditioning and testing were performed at 73F and 15%RH.

TEST RESULTS

Because the surface resistance was so high, the personnel electrification values found are significantly lower than would probably occur in practice, as the voltage reached by walking on a flooring surface varies significantly with the size of the specimen in the case of high resistance materials. The values for the three test procedures are as follows:

Effective Surface Resistivity: Approximately 2(1013) ohms/square.

Charge Decay Time. 5000 to 50 volts: Approximately 110 seconds.

Maximum Personnel Voltage Developed:

Neolite Footwear: 3.6 KV

Leather Footwear: 6.0 KV

Polyurethane Footwear: 3.0 KV

ESD PROTECTION
Testing and Consultation

WGK/ma

Very truly yours,

William G. Klein

William 5 Dem