

Data Journal

Driven by
Results!

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Some examples of ASTM standards:

ASTM D-5642
Referenced documents
inside this standard
ASTM D-149
ASTM D-1676
ASTM D-1711

ASTM D-3455
Referenced documents
inside this standard
ASTM D-877
ASTM D-924
ASTM D-971
ASTM D-974
ASTM D-1500
ASTM D-2413
ASTM D-3487

ASTM D-882
ASTM D-149
ASTM D-2305
ASTM D-732

Some examples of IEEE standards:

IEEE Std. 1043
IEC Std. 60343

Some examples of UL standards:

UL 1446
UL 749

ELTEK Labs – Expanding Service to Our Customers

ELTEK Labs continues to expand services to provide the best benefit to our customers. The following are expanded services we want you to know are available.

UL

ELTEK Labs has been a part of the Data Acceptance Program (DAP) since 1995. ELTEK Labs is certificated to act on our customers behalf as both an Agent (Administrative) as well as too conduct tests (Engineering) on your behalf.

ELTEK Labs is recognized as a Certified Agent (EA) under UL's Third Party Test Data Program (TPTDP) meeting the necessary criteria to conduct testing at the test facility for data submittal to UL. Our Scope of Coverage under this program consists of specific tests from the following Standards:

- UL746A - Polymeric Materials - Short Term Property Evaluations
- UL746B - Polymeric Materials - Long Term Property Evaluations
- UL984 - Hermetic Refrigerant Motor Compressors
- UL1446 - Systems of Insulating Materials - General
- UL1694 - Tests for Flammability of Small Polymeric Component Materials
- UL2353 - Single- and Multi-Layer Insulated Winding Wire
- IEEE C57.12.56
- IEEE C57.12.60
- IEEE 259
- IEEE 1776

The Test Facility Specifics:

DAP File: DA442
DAP CCN: DAPE
Subscriber #: 935654-001
Address: 248 Hughes Lane, St. Charles, MO, USA 63301-3260

Associated Sections/Tests - UL746B - Determination of the Relative Thermal Indices of Polymeric Materials

- Section 6 - General
- Section 7 - Relative Thermal Index - Based Upon Historical Record
- Section 8 - Relative Thermal Index - Based Upon Long-Term Thermal Aging Programs
- Section 9 - Apparatus
- Section 10 - Scope of Test Programs
- Section 11 - Property Evaluation Tests
- Section 12 - Selection of Oven Temperatures
- Section 13 - Selection of Control Material
- Section 14 - Specimens
- Section 15 - Thermal Aging



ELTEK Labs facility in St. Charles, MO, U.S.A.

- Section 16 - End of Life
- Section 17 - Proof Testing
- Section 19 - Related Material - Coverage of Variations in Coverage of Material Composition
- Section 20 - Aging, Specimen, and Check-Test Schedules
- Section 20A - Fixed Time Sampling Method

Intertek – ETL – SEMKO

ELTEK Labs began participation with Intertek-ETL-SEMKO in 2008. The present level of interaction is:

- UL 1446 for evaluation of **electrical insulation systems**, additions to systems, and materials and all related ASTM or ANSI methods
- UL subject 5703 for evaluation of **polymeric PV module substrates/backsheets**, including all related UL 746, ASTM or ANSI methods.

Electrical Power Research Institute (EPRI)

ELTEK Labs' relationship with EPRI began in 2008 with a complete laboratory assessment (vendor survey). This vendor survey was an evaluation of the adequacy of controls applied by ELTEK in providing EPRI with electrical insulation systems testing services under a Commercial Grade Dedication of Services.

The survey concluded that the quality system defined in ELTEK's "Laboratory Manual:: Procedures and Policies" offered sufficient and effective implementation, allowing ELTEK to successfully operate as a recognized test laboratory under the strictest of regulatory guidelines.

CSA / VDE and Other Certification Agencies

ELTEK Labs' Final Reports are submittal to and accepted by certification agencies such as CSA and VDE. ELTEK Labs is actively pursuing format certification with these agencies.

Categories of EIS Testing

ELTEK Labs conducts a wide range of EIS testing (see the EIS Data Journals for more details). The following is a summary of the types of EIS covered:

- General applications

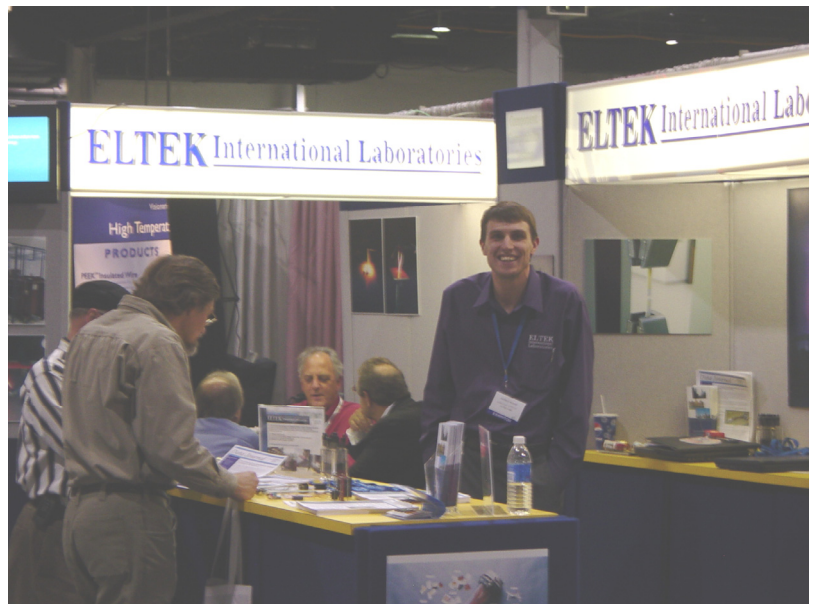
- Automotive – including high voltage ignition EIS
- Wind-powered generators
- Nuclear Power applications
- Medium and high voltage transformers
- Medium and high voltage motors and generators
- Open windings or encapsulated low voltage
- Cast-coil, resin encapsulated high voltage transformers

ELTEK Labs offers reference EIS for low voltage random wound, medium and high voltage motors and generators too.

ELTEK serves customers from around the world whose products encompass a full range of voltage applications; as well as a full range of industry applications.

Recognized internationally as the 'experts in electrical insulation materials and electrical insulations systems testing' ELTEK Labs is the only source for data collection you will need.

How can ELTEK Labs work with you for your next project?: By ensuring that test programs run cost effectively and efficiently can help you bring products from R & D to market as quick as possible. After all – saving time saves money.



Nathan Magee, Lab Technician, at CWIEME 2008

ELTEK International Laboratories

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