

Subject 510

June 22, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape, UL 510, are being proposed:

1. Update ASTM Test Method reference for the Storage Test

STP BALLOTS AND ALL COMMENTS DUE: July 23, 2018

UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 510, UL is looking for new participants and also Canadian stakeholders. Definitions for interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 510 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Megan.Monsen@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Update ASTM Test Method reference for the Storage Test

RATIONALE

Proposal submitted by: James Thompson, UL LLC

The current ASTM D119 standard referenced in Clause 22.2 was withdrawn in 1985. In the current edition of UL 510A, the same test is described and the fusion test is conducted in accordance with the Standard Test Method for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes, ASTM D4325 (see Sections Significance and Use, Apparatus and Procedure).

In order to be consistent, UL 510 should be revised to include a reference to ASTM D4325.

PROPOSAL

22.2 To determine whether a rubber tape complies with the requirements in 22.1, an unused roll of tape, in its original container, is to be laid flat in a full-draft circulating-air oven operating at a temperature of 40.0 ±1.0°C (104.0 ±1.8°F) for 60 days (1,440 h). After this conditioning, the tape is not to become unduly attached to the separator and is to meet the fusion test in the ~~Standard Specification for Low-Voltage~~

Rubber Insulating Tape, ASTM D119 Standard Test Method for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes, ASTM D4325 (see Sections Significance and Use, Apparatus and Procedure).

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