

Subject 651A

January 27, 2017

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit, UL 651A, are being proposed:

- 1. Correction to explanatory or approximate impact weight value stated in parentheses.***

STP BALLOTS AND ALL COMMENTS DUE: February 27, 2017

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

- 1. Correction to explanatory or approximate impact weight value stated in parentheses.**

RATIONALE

Proposal submitted by: David Gerstetter, UL Inc.

Correction to explanatory or approximate impact weight value stated in parentheses in clause 9.5.2 for impact weight value in kg. The approximate or explanatory value stated within the parentheses should simply be 9.1 kg rather than 9.7 kg.

PROPOSAL

9.5.1 No crack or tear longer than 1/32 inch (0.8 mm) shall appear in seven out of ten 6-inch (150-mm) specimens of finished high density PE conduit as the result of the impact described in 9.5.2.

9.5.2 Ten 6-inch (150-mm) specimens with no cracks, tears, or other imperfections are to be cut from finished lengths of each trade size of conduit. The specimens, the test apparatus, and the surrounding air are to be in thermal equilibrium with one another at a temperature of $23.0 \pm 2.0^{\circ}\text{C}$ ($73.4 \pm 3.6^{\circ}\text{F}$) during the test. The specimens are to be tested separately while resting on a solid, flat, steel plate that is at least 1/2 inch (13 mm) thick and is firmly anchored with its upper surface horizontal. A protective cage is to surround the plates and specimen to reduce the risk of injury from pieces of broken conduit in the event that the conduit flies apart. A steel weight of 20 lb (9.7 1kg) in the form of a solid right-circular cylinder, with a diameter of 2 inches (51 mm) and a flat impact face having rounded edges, is to fall freely through a vertical guide from the height indicated in Table 9.2. The flat face of the weight is to strike the center of the specimen across the diameter and along the longitudinal axis once (provision is to be made for keeping the weight from striking the specimen more than once).

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