

# *Tentative Specifications for*

## LOW AND MEDIUM VOLTAGE PIN-TYPE LIME-GLASS INSULATORS<sup>1</sup>



**A.S.T.M. Designation: D 730 - 46 T**

ISSUED, 1943; REVISED, 1946.<sup>2</sup>

These Tentative Specifications have been approved by the sponsoring committee and accepted by the Society in accordance with established procedures, for use pending adoption as standard. Suggestions for revisions should be addressed to the Society at 1916 Race St., Philadelphia 3, Pa.

*Adapted from Edison Electric Institute Specifications for Low and Medium Voltage Pin-Type Lime-Glass Insulators (TD-51—1942)<sup>3</sup>*

### Scope

1. These specifications cover pin-type lime-glass insulators for mounting on wooden pins or on steel pins equipped with a lead or wooden cob, and metal-bushed lime-glass insulators for mounting on steel or hard-metal threads; both insulator types having a dry flashover of 85,000 v. or less.

### General

2. (a) Unless otherwise specified on the purchase order, the insulators furnished under these specifications shall conform in all respects to the requirements hereinafter prescribed. The text and the drawings supplement each other and both shall be considered as parts of these specifications.

(b) The manufacturer shall submit

drawings of insulators of the class (Table I) covered in the inquiry or order. The drawings shall show the outline of the insulators, height, diameter, sizes of wire grooves, length of pin cavity, and relation of the dome of the pin cavity to the position of the wire grooves. Any variations in dimensions from those specified in Table I, due to the process of manufacture, shall be so indicated on the drawings.

### Material

3. (a) The insulators shall be of lime glass of the grade generally accepted for power insulators of this class, of good quality and homogeneity. The glass shall be either colorless or colored, as specified in the purchase order.

(b) The insulators shall be free from chips and cracks, and stones greater than  $\frac{1}{32}$  in. in diameter. All portions of the insulators shall be reasonably free from surface roughness, checks and unevenness, holes, stones, air bubbles and oil and gas stains. They shall in no case contain fins, mold seam marks, shear marks,

<sup>1</sup> Under the standardization procedure of the Society, these specifications are under the jurisdiction of the A.S.T.M. Committee D-9 on Electrical Insulating Materials.

<sup>2</sup> Revision accepted by the Society at annual meeting, June, 1946.

<sup>3</sup> These specifications are identical in substance but not in form with the Specifications for Low and Medium Voltage Pin-Type Lime-Glass Insulators (TD-51—1942), approved by the Transmission and Distribution Committee, Edison Electric Institute.