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PUBLICLY AVAILABLE SPECIFICATION

Specification for finished fabric woven from “E”glass for printed boards

INTERNATIONAL
ELECTROTECHNICAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR FINISHED FABRIC WOVEN FROM “E”GLASS FOR PRINTED BOARDS

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SPECIFICATION FOR FINISHED FABRIC WOVEN FROM “E” GLASS FOR PRINTED BOARDS

1 Scope

This specification covers finished fabrics woven from “E” glass electrical grade glass fiber yarns that are intended as a reinforcing material in laminated plastics for electrical and electronic use. All fabrics covered by this specification are plain weave.

1.1 Purpose

This specification determines the nomenclature, definitions, general and chemical requirements for the glass, and physical requirements for finished woven glass fiber fabrics.

1.2 Designation

Appendix II of this standard provides a style designator for each finished fabric glass style, with specifications on yarn, fabric count, thickness and weight in both SI and US system. Fabrics listed in Appendix II also categorize fabrics by their current availability status.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1 IPC

IPC-T-50, *Terms and Definitions for Interconnecting and Packaging Electronic Circuits*

IPC-9191, *General Guidelines for Implementation of Statistical Process Control (SPC)*

2.2 American Society for Testing and Materials (ASTM)

ASTM-D578, *Standard Specification for Glass Fiber Strands*

ASTM-D1776, *Standard Practice for Conditioning Testing Textiles*

2.3 International Standards

ISO 9001, *Quality Management Systems – Requirements*

2.4 National Conference of Standards Laboratories (NCSL)

NCSL Z 540-1, *General Requirements for Calibration Laboratories and Measuring and Test Equipment*