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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Rigid laminated sheet based on modified diphenyl ether resins
and glass cloth**

改性二苯醚玻璃布层压板

(English Translation)

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Foreword

This guidance document refers to IEC 60893-3-7:2003 "Industrial materials thermosetting resin industrial hard laminates for electrical insulation" Part 3. Individual Material Specifications, Part 7. Requirements for Polyimide Resin Hard Laminates.

This guidance technical document was proposed by the China Electrical Equipment Industry Association.

This guidance document is under the jurisdiction of the National Technical Committee for Standardization of Insulation Materials (SAC/TC51).

This guiding technical document drafting unit. Oriental Insulation Materials Co., Ltd.

1 Scope

This guidance document specifies the requirements, test methods, inspection rules, packaging, transportation and storage of modified diphenyl ether glass cloth laminates.

This guiding technical document is applicable to the alkali-free glass cloth treated with the coupling agent as a reinforcing material, and immersed in the modified temperature with a temperature index of 180.

A phenylene ether resin, a modified diphenyl ether glass cloth laminate obtained by hot pressing.

Modified diphenyl ether glass cloth laminate for motors, dry-type transformers and other electrical equipment with a temperature index of 180, used as insulation Construction components.

2 Normative references

The terms of the following documents are incorporated into the terms of this guidance document by reference to this guidance. Any dated Reference documents, all subsequent amendments (not including errata content) or revisions do not apply to this guidance technical document, however, drums the parties that have reached an agreement under this guidance document will investigate whether the latest versions of these documents are available. Any undated reference the latest version of the document applies to this guidance document.

GB/T 5130-1997 Industrial hard laminate test method for thermosetting resins for electrical purposes (eqv IEC 60893-2.:1992) Electrical insulating materials - Part 1 . Assessment of aging procedures and test results (IEC 60216-1:2001, IDT)

3.1 Appearance

The surface of the board should be smooth, free of air bubbles, wrinkles, cracks and appropriate to avoid other defects, such as. scratches, indentations, stains, etc., allowing a small amount of spots.

3.2 Size

3.2.1

The allowable deviation of width and length shall comply with the requirements of Table 1.

Table 1 Width and length in millimeters

Width and length deviation 450~990 ± 15 >990~1980 ± 25

3.2.2

The nominal thickness and its allowable deviation shall comply with the requirements of Table 2.

Table 2 nominal thickness and its allowable deviation unit is mm

Nominal thickness deviation 0.5 ± 0.12 0.6 ± 0.13 0.8 ± 0.16 1.0 ± 0.18 1.2 ± 0.20 1.6 ± 0.24

Nominal thickness deviation 2.0 ± 0.28 2.5 ± 0.33 3.0 ± 0.37 4.0 ± 0.45 5.0 ± 0.52 6.0 ± 0.60

Nominal thickness deviation 8.0 ± 0.72 10 ± 0.82 12 ± 0.94 14 ± 1.02 16 ± 1.12 20 ± 1.30

Nominal thickness deviation 25 ± 1.50 30 ± 1.70 35 ± 1.95 40 ± 2.10 45 ± 2.30 50 ± 2.45

Note 1: Other allowable deviations can be negotiated between the supplier and the buyer.

NOTE 2: For a nominal thickness not listed as one of the preferred thicknesses listed, the allowable deviation shall be the deviation of the next larger preferred thickness.