

INCH-POUND

MIL-I-24768/14
25 February 1992

SUPERSEDING
MIL-P-15035C
10 January 1962
MIL-P-79C
15 June 1961

MILITARY SPECIFICATION SHEET

**INSULATION, PLASTIC, LAMINATED, THERMOSETTING, COTTON-FABRIC-BASE,
PHENOLIC-RESIN (FBG)**

This specification is approved for use by all departments and agencies of the Department of Defense.

The requirements for acquiring the insulation material described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-I-24768.

REQUIREMENTS:

Construction: The material shall consist of a suitable woven cotton fabric substrate impregnated and bonded with a phenolic-resin matrix and processed to meet the requirements of this specification.

Intended use: The laminated material covered by this specification is primarily intended for electrical applications that require good moisture resistance and a good degree of mechanical strength. It possesses fairly good dielectric properties and a medium dielectric loss.

Forms: Sheets, molded tubes, and rod are recommended forms of laminated material covered by this specification.

Temperature indices: The laminated material covered by this specification has a mechanical strength test index of 85 and an electrical strength test index of 85 for thicknesses up to 0.062 inch, and a mechanical strength test index of 125 and an electrical strength test index of 115 for thicknesses greater than 0.062 inch.

Dimensions and part numbers:

Thickness of sheets: The thickness of laminated sheets, permissible variations, and the applicable part number shall be as specified in table I.

AMSC N/A

FSC 5970

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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- f. Thermal endurance
- g. Tracking resistance
- h. Arc resistance
- i. Flammability.

Testing: The laminated material covered by this specification shall be tested under first article inspection requirements.

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Custodians:

Army - ER
Navy - SH
Air Force - 20

Preparing Activity:

Navy - SH
(Project 5970-1015-14)

Review Activities:

Army - MI, AR, EA
Navy - EC, OS
Air Force - 85

User Activities:

Army - ME
Navy - MC, AS