



HH-I-553C
AMENDMENT-1
August 2, 1977

FEDERAL SPECIFICATION

INSULATION TAPE, ELECTRICAL, (RUBBER, NATURAL AND SYNTHETIC)

This amendment, which forms a part of Federal Specification HH-I-553C, dated December 23, 1975, was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

PAGE 2

Paragraph 2.2, American Society for Testing and Materials, add:

"ASTM D 3391 - Rubber Insulating Tape For High Voltage Applications."

PAGE 3

Paragraph 3.2.3, second line, delete "800" and substitute "700".

Paragraph 3.10, delete in its entirety and substitute as follows:

"3.10 Dissipation factor and dielectric constant, grade A tape. Grade A tape shall have a dissipation factor and a dielectric constant in accordance with ASTM D 3391 when tested as described in 4.5 and 4.6 respectively."

PAGE 5

Paragraph 4.4.5, delete in its entirety and substitute as follows:

"4.4.5 Dielectric strength.

4.4.5.1 Grade A tape. The dielectric strength for grade A tape shall be determined in accordance with ASTM D 3391.

4.4.5.2 Grade B tape. The dielectric strength for grade B tape shall be determined in accordance with ASTM D 119."

Paragraphs 4.4.6.1 and 4.4.6.2, delete in their entirety and substitute as follows:

"4.4.6 Ozone resistance, Grade A tape. Grade A tape shall be tested for ozone resistance in accordance with ASTM D 3391."

Paragraph 4.4.7.3, second line, delete " $-40 \pm 2^{\circ}\text{C}$ ($-40 \pm 3.6^{\circ}\text{F}$)" and substitute " $-10 \pm 2^{\circ}\text{C}$ ($14 \pm 3.6^{\circ}\text{F}$)".

PAGES 5 and 6

Paragraphs 4.7, 4.7.1, and 4.7.2, delete in their entirety and substitute:

"4.7 Effect of heat, grade A tape. Grade A tape shall be tested for heat resistance in accordance with ASTM D 3391".

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PAGE 6 (con.)

Paragraphs 4.8, 4.8.1, and 4.8.2, delete in their entirety.

MILITARY INTEREST:

Review activity:

Army - EL, MU

User activity:

Navy

Preparing activity:

GSA-FSS

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA-FSS, PCD
USDA-AFS
Interior-BPA
Commerce-NBS
DOT-ACO