

INCH-POUND

MIL-P-10831B
 AMENDMENT 4
 16 August 1999
 SUPERSEDING
 INTERIM AMENDMENT 3 (AR)
 18 December 1993

MILITARY SPECIFICATION

PAPER, TARGET

MIL-P-10831 was inactivated after 5 June 1996 for new design.

This Amendment forms a part of MIL-P-10831B, dated 4 September 1964 and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

2.2: Add TAPPI Standard "T402M":

T402M - Standard Conditioning and Testing Atmosphere for Paper, Board, Pulp, Handsheets, and Related Products.

PAGE 3

3.2: Delete ". . . chip numbers 37855 through 37886 of Federal Standard No. 595. (See 6.1) "and substitute ". . . chip number 37855 or 37866 of Federal Standard No. 595. (See 6.1)"

PAGE 4

3.5.2: Second line, delete ". . .95 \pm 5 pounds/500 sheets/24 inches x 36 inches," and substitute "120 \pm 5 pounds/500 sheets/24 inches x 36 inches."

PAGE 5

3.6.2: In second line delete "0.010 \pm 0.0005 inch" and substitute "0.011 \pm 0.0005 inches"

3.7: Delete Table I in its entirety and substitute the following:

TABLE I. Minimum Physical Characteristics

<u>Characteristics</u>	<u>Type I</u>	<u>Type II</u>
Tear, grams Cross direction	50	130

MIL-P-10831B
AMENDMENT 4

3.9: Delete in its entirety and substitute:

"3.9 Pick strength. The pick strength, or the surface bond strength, of the printing side (see 3.4.1) of the paper shall withstand not less than the values specified below with no picking, when tested as specified in Table II:

Type I Nr6A Dennison Standard Wax
Type II Nr8A Dennison Standard Wax"

3.10: Delete "6 \pm 0.5 ph" and substitute "7 \pm 1.5 ph"

PAGE 14

Delete Table II in its entirety and substitute the following:

TABLE II. Instructions for Testing

<u>Characteristics</u>	<u>Specification Reference</u> Requirement	<u>Test (1)</u> Method	<u>Requirements</u> Applicable to Lot Avg.	<u>Number</u> Determinations(2) Per Sample Unit	<u>Results Reported</u> As Numerically(3) to Nearest
Basis weight	3.5.1, 3.5.2	110	X	1 (Avg. of 5 sheets)	Pound
Thickness	3.6.1, 3.6.2	173	X	Avg. of 3	0.0001 inch
Tear, grams cross direction	Table I	170	X	Avg. of 5	Grams
Gloss	3.8	T-480M	X	Avg. of 3	Unit
Pick strength	3.9	T-459M	X	Avg. of 3	Number
PH	3.10	200	-	(2) Composite	0.1 ph Unit
Penetration	3.11	4.4.2	X	1 (10 rounds)	10 Percent

Note:

1. Three digit numbers refer to Federal Specification UU-P-31. Numbers preceded by the letter "T" refer to TAPPI Standard Methods. Test Methods shall be performed in accordance with the applicable procedures, except that the stipulation as to the number of specimens to test, number of determinations to perform or number of results to report, shall be as indicated in this table. All testing shall be performed under atmospheric conditions as specified in 4.4.1.
2. The composite shall consist of representative portions taken from each sample unit and combined into a single sample.
3. Test reports shall include all values on which results are based.

MIL-P-10831B
AMENDMENT 4

6.2, In first line delete: "37855 through 37886" and substitute "37855 and 37886".

This specification has been changed from Interim Amend 3 to Amend 4 without any changes being incorporated and Amend 4 makes specification a fully coordinated document.

Custodian:
Army-AR
Navy-EC
Air Force-11

Preparing activity:
Army-AR

Review activities:
Army-AT, AV, CR
Navy-SH, YD
Air Force-10, 85

(Project 9310-0123)