

Use Information: This paragraph is informational only and is not exclusively definitive of the end use. For face and back offset printing of books, pamphlets, etc. requiring the highest degree of permanence (archival quality.) Printed matter may include text, illustrations, and halftones up to 150-line screen.

Stock: 100% bleached chemical woodpulp.
Note: Any deviation from requirement is sufficient cause for rejection of the paper.
Note: Not less than 30% postconsumer fiber. Any percent over 30 percentage points, is encouraged, provided that the requirements of this Standard are met.

Acidity: pH value by cold extraction, average, not less than 7.5. The composition of the filler shall be not less than 2.0% calcium carbonate.
Note: Any deviation from requirement is sufficient cause for rejection of the paper.

Basis weight: 25 by 38 inches,
500 sheets (pounds)..... 30 40 50 60 70
A tolerance of $\pm 5\%$ shall be allowed.

Folding endurance: Average,
each side, not less than
(MIT double folds) 30 30 30 30 30
Note: Any deviation from requirement is sufficient cause for rejection of the paper.

Tearing strength: Average, each
direction, not less (grams) 25 33 40 50 60

Opacity: Average, not less than
(percent) 84 86 89 91 92

No individual specimen shall
average less than (percent) 82 84 87 89 90

Thickness: Average
(mils) 2.2 3.0 3.9 4.7 5.5
A tolerance of ± 0.0003 inch shall be allowed for the 30- and 40-pound stocks and ± 0.0005 inch for the 50-, 60- and 70 pound. Paper shall be uniform and shall not vary more than 0.0004 inch from edge to edge.

General appearance: Paper shall conform to the standard sample(s) established by the Government.

Brightness: Shall target 81% for the white shade and 72 $\pm 2\%$ for the cream white or as specified.

Color: The paper in the order (or publication) shall be uniform and the color variation shall not exceed DE(CIELAB) = 1.0.

Finish and formation: Shall be uniform.

Cleanliness: The dirt count for each side of the paper shall not exceed 250 specks per square meter. No sample sheet (600 to 650 cm² in size) shall contain more than one defect with equivalent area of 0.25 mm² or greater.

ANSI/NISO: Conformance to the standard Z39.48—1992 allows the printing of the infinity symbol (∞) in the document or publication.

Testing: Shall be conducted in accordance with methods in Part 2, *Government Paper Specification Standards*. The precision requirements of the acceptance criteria Part 4 apply except where noted above.

¹ This grade is typically not available in less than mill run quantities.