

Use information: This paragraph is informational only and is not exclusively definitive of the end use.

For producing camera ready copy; use in laser printers and high speed xerographic equipment as specified.

Stock: 100 pct chemical pulp.

*Note:*¹ Postconsumer fiber, in any percentage, is encouraged, provided that the requirements of this Standard are met.

Absolute moisture: Average (percent) 4.5
A tolerance of ±0.3 percentage point shall be allowed.

Grammage (g/m²) 90 105
Basis weight: 17 by 22 inches, 500 sheets (pounds) 24 28
A tolerance of ±5 pct shall be allowed.

Stiffness: Gurley, average, not less than—
Machine direction (mg) 150 200
Cross direction (mg) 75 100

OR

Taber, average, not less than—
Machine direction (units) 2.4 3.0
Cross direction (units) 1.5 2.0

Any deviation from requirement shall be sufficient cause for rejection of the paper.

Tearing strength: Average, each direction, not less than (mN) 350 390
Equivalent (grams) 36 40

Opacity: Average, not less than (percent) 88 90
No individual specimen shall average less than (percent) 86 88

Smoothness: Average, each side, not to exceed. (units) 100 100

Any specimen averaging more than 100 units shall be sufficient cause for rejection of the paper.

Curl: Paper shall lie flat before and after processing through a high speed copier or laser printer with either no tendency to curl or with a curl which can be overcome under reasonable working conditions.

Ruling and writing qualities: Lines ruled and characters written with ball point and felt tip pens shall be clear cut and free from excessive feathering.

Surface: Shall be free from lint, fuzz, wrinkles, waviness, folds, holes, tears, and other detrimental defects.

Size and trim: Sheets: Paper shall be furnished in the size(s) ordered and shall be flat, trimmed square on four sides with clean smooth edges, and evenly jogged. A tolerance of ±2 mm (1/16 inch) shall be allowed except for sheets 216 by 356 mm (8½ by 14 inches) or less; then a tolerance of ±1 mm (1/32 inch) shall be allowed. Successive sheets within any package shall not differ from each other by more than 1 mm (1/32 inch). Paper shall be considered square if the variation does not exceed 1 mm (1/32 inch).

Grain: Direction of the grain on flat paper shall be as ordered.

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

Color: The paper in the order (or publication) shall be uniform with a target brightness not less than 85 pct. The color variation shall not exceed DE(CIELAB)=1.0. The commercial standard for white is applicable, unless specified that the color shall conform to a Government standard. Color coordinates for selected established standards are included in Part 3.

Formation: Shall be uniform.

Cleanliness: The dirt count for each side of the paper shall not exceed 25 specks per square meter. No sample sheet (600 to 650 cm² in size) shall contain more than one defect with an equivalent area of 0.25 mm² or greater.

Performance: Shipments of any qualified product shall perform satisfactorily on laser printers and high speed xerographic equipment. There shall not be more than one paper-caused jam or one document with unacceptable image quality due to the paper per 5,000 continuous-copy run at atmospheric conditions of 21 ±5.5 °C and 50 ±20 pct relative humidity.

Sampling and testing: Shall be conducted in accordance with standards in Part 2, *Government Paper Specification Standards*. The precision requirements of the acceptance criteria (Part 4) shall apply except as noted in the standard.

¹This grade is typically a low Government usage paper and currently not readily and/or economically available with postconsumer fiber content.