

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

For use in laser printers, high speed, plain paper copiers and xerographic equipment as specified.

Stock: Groundwood pulp, not to exceed 1 pct.

*Note:*¹ Not less than 30 pct postconsumer fiber material. Any percent over 30 percentage points, is encouraged, provided that the requirements of this Standard are met.

Absolute moisture: Average (percent) 4.5
A tolerance of ±0.5 percentage point shall be allowed.

Grammage (g/m²) 75 90 105
Basis weight: 17 by 22 inches, 500 sheets (pounds) 20 24 28
A tolerance of ±5 pct shall be allowed.

Tearing strength: Average, each direction, not less than (mN) 350 370 400
Equivalent (grams) 36 38 41

Opacity: Average, not less than (percent) .. 90 92 93
No individual specimen shall average less than (percent) 88 90 91

Thickness: Average, not less than (mm) .. 0.095 0.105 0.120
Equivalent (inch) 0.0037 0.0041 0.0047
A tolerance of ±0.008 mm (0.0003 inch) shall be allowed. Paper shall be uniform and shall not vary more than 0.011 mm (0.0004 inch) from one edge to the other.

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 ±1 mm (1/32 inch) shall be allowed for sheets 216 by 356 mm (8½ by 14 inches) or less. 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 of the white paper not less than 83 pct. The color variation shall not exceed DE(CIELAB)=1.0.

For colored stock, paper shall match one of the established standards or as specified. Standards are blue, buff, green, pink, salmon, or yellow. Colors shall be pulp-dyed. When a match to a Government color standard has not been specified, the commercial standards for these colors or white are applicable. Color coordinates for selected standards are included in Part 3.

Finish and formation: Shall be uniform.

Cleanliness: The dirt count for each side of the paper shall not exceed 650 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 50,000 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.

¹This requirement may be waived by the ordering agency when purchasing less than a *mill run* quantity and so stated in the procurement document.