

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

For offset printing, generally face only, of open master forms, etc., which are used for duplicating in the ammonia process of reproduction. Printed matter may include text and line illustrations.

Stock: Not less than 25 pct cotton or linen fibers. Groundwood pulp, not to exceed 1 pct.

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

Acidity: pH value shall average not less than 5.0.

Rosin: Average not to exceed 2.0 pct for papers having pH value less than 6.5.

Grammage (g/m²) 60
Basis weight: 17 by 22 inches, 500 sheets (pounds) 16
A tolerance of ±5 pct shall be allowed.

Folding endurance: Average, each direction, not less than—
M.I.T. (double fold) 75
Schopper (double fold) 75

Opacity: Average, not to exceed (percent) 70
Note: The paper should freely transmit ultra-violet light in near visible portion of the spectrum. It should retain its ultra-violet light transparency with age, remaining free from that degree of discoloration which would materially reduce its printing speed. If treated to aid transparency, the materials used shall not cause bleeding or feathering of the image nor offsetting in the files.

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.

Erasing quality: Paper shall retain good ruling, writing, and typing quality, texture, and surface appearance, without ink spreading after repeated erasures. Samples from the delivery shall show no greater resistance than the standard sample to removal by abrasion of typewritten characters.

Watermark: Paper shall not be watermarked.

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.

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 80 pct. 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 an equivalent area of 0.25 mm² or greater.

Sampling and testing: Shall be conducted in accordance with standards in Part 2, *Government Paper Specification Standards*.

Unless otherwise specified, the following is automatically waived when printing or duplicating is to be accomplished on commercial contract

Equilibrium relative humidity: Shall be 45 pct ±8 pct at 23°C ±2°C.²

Sizing: Paper shall be surface- and internal-sized suitable for satisfactory printing on both sides of the paper on high-speed offset presses equipped with continuous flow or brush dampening systems.

Color: Shall match the Government's standard sample for color. A deviation of DE(CIELAB)=3.0 from the color standard is allowed.

Surface: Shall be free from lint, fuzz, or any particles which will pick, lift, fluff, or pile on the blanket under normal press conditions. Paper shall lie flat with either no tendency to curl or with

a curl which can be overcome under reasonable working conditions.

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 0.5 mm (1/64 inch). Paper with the long dimension 813 mm (32 inches) or less shall be considered square if the variation does not exceed 1 mm (1/32 inch); over 813 mm (32 inches), 2 mm (1/16 inch).

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

¹This grade is typically a low Government usage paper and currently not readily and/or economically available with postconsumer recovered fiber content. If a postconsumer fiber content is desired in the paper, that number will be stated in the procurement document. Note, recovered material (cotton/linen) is not a postconsumer recovered fiber.

²This requirement may be waived when so stated in the procurement document. If waived, the following is applicable: Pressroom conditions: The bulk of this paper will be used in air-conditioned pressrooms maintained at 24°C ±2°C and 45 ±8 pct relative humidity.