

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

For multicolor face and back offset printing of manuals, maps, battery tags, etc., requiring a high degree of resistance to action of water, grease, oils, mild acids, extreme temperatures, and fading. Printed matter may include text and line illustrations.

Stock: Latex saturated base sheet coated on both sides with a suitably compounded plastic-mineral coating. The fiber portion of the base sheet shall be free from groundwood or unbleached pulp.

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

Acidity: pH value of coating shall average not less than 7.0.

Grammage (g/m²) 120 170 205
 Basis weight: 25 by 38 inches, 500 sheets (pounds) 80 115 140
 A tolerance of ±5 pct shall be allowed.

Folding endurance: Average, each direction, not less than—
 M.I.T. (double folds) 100 125 150

Tearing strength: Average, each direction, not less than (mN) 580 880 1,170
 Equivalent (grams) 60 91 120

Opacity: Average, not less than (percent) 90 93 95
 No individual specimen shall average less than (percent) 88 91 93

Thickness: (mm) 0.110 0.150 0.200
 Equivalent (inch) 0.0043 0.0059 0.0079

A tolerance of ±0.013 mm (0.0005 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.

Coating: The base sheet shall be coated on both sides so as to produce a product which shall not flake, powder, crack, blister, or otherwise deteriorate under printing, or normal handling conditions. The material shall not discolor, become brittle, or be subject to attack by mold, mildew, or fungus under normal storage 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 79 pct. The color variation shall not exceed DE(CIELAB)=1.0.

Reflectance (brightness) drop: Shall not exceed 4 percentage points.

Finish and formation: Shall be uniform.

Cleanliness: The dirt count for each side of the paper shall not exceed 50 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

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

Curl: Paper shall lie flat with either no tendency to curl or with a curl which can be overcome under reasonable working conditions.

Surface: Shall be uniform, free from mottle, and any particles which will pick, lift, fluff, or pile on the blanket under normal press 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 (8 1/2 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.

Pressroom conditions: The bulk of this paper will be used in air-conditioned pressrooms maintained at 24°C ±2°C and 45 pct ±8 pct relative humidity.

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