

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

For minimum quality face and back offset printing of books, pamphlets, catalogs, folders, circulars, etc., of a non-permanent nature. Printed matter may include text, line illustrations, halftones up to 120-line screen. Particularly suited for adhesive publications capable of laying flat when in an open position.

Stock: Not to exceed 75 pct groundwood pulp; the remainder chemical pulp.

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

Grammage (g/m²) 40 52
 Basis weight: 25 by 38 inches, 500 sheets (pounds) 27 35
 A tolerance of ±5 pct shall be allowed.

Stiffness (flexibility): Gurley, average, cross direction not to exceed (mg) 40 40

Bursting strength: Average, not less than (kPa) 60 70
 Equivalent (lb/in²) 9 11

Opacity: Average, not less than (percent) 84 84
 No individual specimen shall average less than (percent) 82 82

Thickness: Average (mm) 0.062 0.069
 Equivalent (inch) 0.0024 0.0027

A tolerance of +0.006 mm (0.0002 inch) and -0.011 mm (0.0004 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.

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 brightness not less than 59 pct or as specified. The color variation shall not exceed DE(CIELAB)=1.0.

Finish and formation: Shall be uniform.

Cleanliness: Shall match the Government standard.

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

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.

Tensile strength: For roll stock only, average, not less than—
 Machine direction (kN/m) 1.4 1.8
 Cross direction (kN/m) 0.7 0.8
 Equivalent—
 Machine direction (kg/in) 3.6 4.6
 Cross direction (kg/in) 1.8 2.1

Pick resistance: Average, each side, not less than 11—A Dennison wax number for sheet-fed offset; 8—A Dennison wax number for web offset.
 No individual specimen shall average less than 9—A and 6—A Dennison wax number, respectively.

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 free from lint, fuzz, or 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 (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).

Rolls: Roll width and diameter shall be as ordered. A tolerance of ±2 mm (1/16 inch) shall be allowed for width and ±26 mm (1 inch) for diameter.

Roll winding: Roll paper shall be tightly wound at even tension and shall not contain more than the specified maximum number of splices per roll. The number of splices permitted per roll is determined by the roll diameter as ordered. On rolls 1,016 mm (40 inches) or less, a maximum of three splices per roll shall be allowed. On rolls over 1,016 mm (40 inches), a maximum of four splices per roll shall be allowed. Splices shall be neatly and securely overlap-pasted and made with a repulpable adhesive which will not permit the splice to separate. The adhesive may be applied from a tape form backing, provided the backing is removed, leaving only the adhesive component on the splice. The adhesive shall not cause the splice to adhere to adjacent laps. The tails of the splices shall be neatly and evenly removed without damage to adjacent laps. Splices shall be flagged at both ends with projecting colored markers, not pasted to the splice, or otherwise clearly marked.

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.