

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

For face and back offset printing of books, pamphlets, folders, etc. Printed matter may include text, line illustrations, and light halftones up to 150-line screen.

**Stock:** Not less than 10 pct postconsumer fiber. Any percent over 10 percentage points, is encouraged, provided that the requirements of this Standard are met.

<b>Grammage</b> (g/m <sup>2</sup> ) .....	75	90	105
Basis weight: 25 by 38 inches, 500 sheets (pounds) .....	50	60	70
A tolerance of ±5 pct shall be allowed.			

<b>Bursting strength:</b> Average, not less than (kPa) .....	70	100	170
Equivalent (lb/in <sup>2</sup> ) .....	11	15	25

<b>Opacity:</b> Average, not less than (percent) .....	91	92	93
No individual specimen shall average less than (percent) .....	89	90	91

<b>Thickness:</b> Average (mm) .....	0.080	0.095	0.110
Equivalent (inch) .....	0.0031	0.0037	0.0043

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.

<b>Gloss (75°):</b> Average, each side (percent) .....	10 to 25	10 to 25	10 to 25
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**Smoothness of coating:** Average, each side, not to exceed (units) .....

	120	120	120
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**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 the brightness not less than 79 pct. The color variation shall not exceed DE(CIELAB)=1.0.

**Formation:** Shall be uniform. The coating shall be uniformly applied; shall not be gritty, mottled, stippled, or ribbed in appearance; shall not crack or flake off.

**Cleanliness:** The dirt count for each side of the paper shall not exceed 100 specks per square meter. No sample sheet (600 to 650 cm<sup>2</sup> in size) shall contain more than one defect with an equivalent area of 0.25 mm<sup>2</sup> 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*

<b>Tensile strength:</b> For roll stock only, average, not less than—			
Machine direction (kN/m) .....	2.1	2.7	3.0
Cross direction (kN/m) .....	1.0	1.2	1.4
Equivalent—			
Machine direction (kg/in) .....	5.4	6.9	7.6
Cross direction (kg/in) .....	2.6	3.2	3.7

**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.

**Coating and surface:** Shall be uniform, free from mottle 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 (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).

**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.