

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

For highest quality multicolor face and back offset printing of books, pamphlets, magazines, periodicals, brochures, etc. Printed matter may include text, line illustrations, and halftones up to 200-line screen.

**Stock:** Free from groundwood or unbleached pulp.  
*Note:*<sup>1</sup> 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 6.5.

<b>Grammage</b> (g/m <sup>2</sup> ) .....	105	120	150
Basis weight: 25 by 38 inches, 500 sheets (pounds) .....	70	80	100
A tolerance of ±5 pct shall be allowed.			
<b>Bursting strength:</b> Average, not less than (kPa) .....	140	210	270
Equivalent (lb/in <sup>2</sup> ) .....	21	31	40
<b>Opacity:</b> Average, not less than (percent) .....	94	95	96
No individual specimen shall average less than (percent) .....	92	93	94
<b>Thickness:</b> Average (mm) .....	0.085	0.095	0.110
Equivalent (inch) .....	0.0033	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, not less than (percent) .....	65	65	65

**Smoothness of coating:** Average, each side, not to exceed (units) ..... 45 45 45

**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 85 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 25 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*. The precision requirements of the acceptance criteria (Part 4) shall apply except for opacity and brightness. Any deviation in the "excepted" properties is a critical defect and shall be sufficient cause for rejection of the paper.

*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.

**Coating and surface:** Shall be uniform, free from mottle and any particles which will pick, lift, 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.

<sup>1</sup>This grade is typically a low Government usage paper and currently not readily and/or economically available with postconsumer fiber content. If a 10% postconsumer fiber content is desired in the paper, that number will be stated in the procurement document.