

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

For high quality multicolor face and back offset printing of covers for books, periodicals, etc. Printed matter may include text, line illustrations up to 150-line screen, and solid reverses.

*Unless the option below is specified, the following 'basic' specification applies.*

**Stock:** Groundwood pulp, not to exceed 1 pct.

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

**Grammage** (g/m<sup>2</sup>) ..... 160 215  
 Basis weight: 20 by 26 inches, 500 sheets (pounds) ..... 60 80  
 A tolerance of ±5 pct shall be allowed.

**Bursting strength:** Average, not less than (kPa) ... 240 340  
 Equivalent (lb/in<sup>2</sup>) ..... 35 50

**Tearing strength:** Average, each direction, not less than (mN) ..... 730 980  
 Equivalent (grams) ..... 75 100

**Opacity:** Average, not less than (percent) ..... 93 94  
 No individual specimen shall average less than (percent) ..... 91 92

**Gloss (75°):** Average, each side, not less than (percent) ..... 50 50

**Smoothness of coating:** Average, each side, not to exceed (units) ..... 110 110

**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 81 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; and 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*.

**OPTION**

Option A: Alkaline paper. This option is for products requiring above average permanence.

*The following requirements replace the same in the 'basic' specification and are added to the specification.*

**Stock:** 100 pct bleached chemical woodpulp.

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

**Acidity:** pH value by cold extraction shall average not less than 7.0 for both the coating and base paper.

*Any deviation in this requirement 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.

For information only, the CIELAB values (Ill D65, 10° observer) of the color standard are

$L^*=93.5$   
 $a^*=-0.5$   
 $b^*=1.5$

**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, 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).

**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.