

**Use Information:** This paragraph is informational only and is not exclusively definitive of the end use. For multicolor face and back offset printing of books, catalogs, pamphlets, etc. requiring above average durability and above average permanence. Has a rough, soft finish, particularly good for publications with extensive reading matter. High bulk. Printed matter may include text, line illustrations, and halftones up to 150-line screen.

**Stock:** Not less than 50% cotton or linen fibers. Groundwood pulp, not to exceed 1%. No fluorescent (optical) brighteners shall be added to the pulp or paper during manufacture. Fluorescence, due to residual white water, broke, or natural fibers, is permissible; provided the increase in reflectance, measured with and without the ultraviolet component of a light source of 3100 kelvin in combination with a C.I.E. (International Commission on Illumination) Z (blue) filter, does not exceed 2.0%.  
*Note: Postconsumer recovered fiber, in any percentage, is encouraged, provided that the requirements of this Standard are met.*

**Acidity:** pH value average not less than 6.5

**Basis weight:** 25 by 38 inches, 500 sheets (pounds)..... 40  
A tolerance of  $\pm 5\%$  shall be allowed.

**Bursting strength:** Average not less than (lb/in<sup>2</sup>) ..... 13

**Opacity:** Average not less than (percent) ..... 89  
No individual specimen shall average less than (percent) ..... 87

**Thickness:** Average (mils) ..... 3.5  
A tolerance of  $\pm 0.0005$  inch shall be allowed. Paper shall be uniform and shall not vary more than 0.0004 inch from edge to edge.

**General appearance:** Paper shall conform to the standard sample(s) established by the Government.

**Brightness:** Shall target 72%  $\pm 2\%$  or as specified.

**Color:** The paper in the order (or publication) shall be uniform and the color variation shall not exceed DE(CIELAB) = 1.0.

**Finish and formation:** Shall be uniform.

**Cleanliness:** The dirt count for each side of the paper shall not exceed 250 specks per square meter. No sample sheet (600 to 650 cm<sup>2</sup> in size) shall contain more than one defect with equivalent area of 0.25 mm<sup>2</sup> or greater.

**Testing:** Shall be conducted in accordance with methods in part 2, *Government Paper Specification Standards*. The acceptance criteria Part 4 shall apply.

<sup>1</sup> This grade is typically not available in less than mill run quantities.