

**Use Information:** This paragraph is informational only and is not exclusively definitive of the end use. For higher quality multicolor offset printing of maps, folded inserts, etc. requiring good folding endurance. Printed matter may include text, illustrations, and halftones up to 150-line screen.

**Stock:** Groundwood pulp, not to exceed 1%. The use of melamine-formaldehyde or any mater that releases formaldehyde into the atmosphere at concentration of 0.1 ppm or greater shall not be permitted in the manufacture of this paper

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

**Acidity:** pH value by cold extraction shall be not less than 4.5.

**Basis weight:** 17 by 22 inches, 500 sheets  
(pounds) ..... 20 24  
A tolerance of  $\pm 5\%$  shall be allowed.

**Wet tensile strength:** Average not less than 5.1 5.9  
(Machine direction, kg/in) .....  
(Cross direction, kg/in) ..... 3.4 4.1

**Folding endurance:** Average each  
direction not less than (MIT double fold) ... 300 700

**Bursting strength:** Average not less than  
(Dry, lb/in<sup>2</sup>) ..... 40 50  
(Wet, lb/in<sup>2</sup>) ..... 18 21

**Opacity:** Average not less than (percent) ... 90 91  
No individual specimen shall average less  
than (percent) ..... 88 89

**Thickness:** Average (mils) ..... 3.7 4.1  
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.

**Water resistance:** Average not less than  
(seconds) ..... 35 40

**Smoothness:** Average each side not to  
exceed (Sheffield units) ..... 110 to 70

**Writing quality:** Characters written with ball point and  
felt shall be clear cut and free from excessive feathering.

**Erasing quality:** Paper shall retain good ruling, writing,  
and typing quality, texture, and surface appearance,  
without ink spreading after repeated erasures. After  
erasures and burnishing, texture shall permit redrawing of  
sharp lines in ink.

**Blocking:** Sheets shall not stick together after being wet  
with water than allowed to dry in contact with other sheets  
of the same paper.

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

**Brightness:** Shall target 79%.

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

**Formation:** Shall be uniform.

**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 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.