

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: 100% bleached chemical woodpulp. 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 20% postconsumer fiber. Any percent over 20 percentage points, is encouraged, provided that the requirements of this Standard are met.

Acidity: pH value by cold extraction shall be not less than 4.8.

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

Wet tensile strength: Average not less than
(Machine direction, kg/in) 1.4 1.8
(Cross direction, kg/in) 3.4 4.1

Folding endurance: Average each direction, not less than (MIT double fold) ... 150 175

Bursting strength: Average not less than
(Dry, lb/in²) 30 33
(Wet, lb/in²) 3.0 3.3

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

Thickness: Average (mils) 3.5 3.7
A tolerance of ± 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) 25 30

Smoothness: Average each side not to exceed (Sheffield units) 110 to 80

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 81%.

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 cm² in size) shall contain more than one defect with equivalent area of 0.25 mm² or greater.

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

¹ This grade is typically not available in less than mill run quantities.