

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

For simultaneous face and back, web offset printing of books, pamphlets, catalog, folders, circular, etc. Low bulk. Printed matter may include text, illustrations, and halftones up to 150-line screen halftones. Slitting, pasting, and/or cross perforating are included in press capabilities.

Stock: Not less than 50% cotton or linen; the remainder bleached chemical woodpulp. 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 by cold extraction shall be not less than 5.0. The rosin content shall not exceed 2% for paper with pH value less than 6.5.

Basis weight: 17 by 22 inches, 500 sheets (pounds)..... 36
A tolerance of $\pm 5\%$ shall be allowed.

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

Thickness: Average (mils) 5.3
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.

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 80%.

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.