

Use Information: This paragraph is informational only and is not exclusively definitive of the end use. For face and back offset printing. To be used on an optical scanner.

Stock: 100% bleached chemical pulp.
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:*¹ Postconsumer fiber, in any percentage, is encouraged, provided that the requirements of this Standard are met.

Moisture content: Average 5.5
A tolerance of ± 0.3 percentage point shall be allowed.

Dimensional stability: Shall not exceed (percent change)
Machine direction..... 0.10
Cross direction..... 0.25

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

Stiffness: Average each direction, not less than
(Machine direction, Gurley milligrams) 200
(Cross direction, Gurley, milligrams) 100
OR
(Machine direction, Taber units) 3.7
(Cross direction, Taber units) 1.8

Bursting strength: Average not less than
(lb/in²) 19

Tearing strength: Average each direction not less than (grams) 65

Pick resistance: Average, each side, not less than 12-A Dennison wax number

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

Thickness: Average (mils)..... 4.4
A tolerance ± 0.0002 shall be allowed. Paper shall be uniform and shall not vary more than 0.0004 inch from one edge to the other.

Porosity: Average not less than (seconds) 15 to 45

Smoothness: Average each side
(Sheffield units) 200 to 100

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

Brightness: Shall target 81% or as specified. The reflectance in the 700 to 1,000 nanometer region shall average not less than 70% when measured with a print contrast meter.

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 10 parts per million (ppm). 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 does not apply.

¹ For technological reasons, this grade currently may not be readily and/or economically available with postconsumer fiber content.