

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 as specified.

Stock: 100% 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.

Acidity: pH value, not less than 4.5

	<u>Bond</u>	<u>Bond</u>	<u>Bond</u>	<u>Ledger</u>	<u>Ledger</u>
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Basis weight:

17 by 22 inches, 500 sheets (pounds)	16	18	20	24	32
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A tolerance of +5% shall be allowed.

Stiffness:

Average each direction not less than (milligrams) ..	30	40	50	100	120
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**Tearing
strength:**

Average each direction not less than (grams).....	30	35	40	50	60
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	<u>Bond</u>	<u>Bond</u>	<u>Bond</u>	<u>Ledger</u>	<u>Ledger</u>
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Opacity:

Average not less than (percent)	78	80	82	85	90
No individual specimen shall average less than (percent)	76	78	80	83	88

Thickness :

(mils)	3.0	3.3	3.7	4.7	6.1
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Porosity: Average not less than

(seconds)	10
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Smoothness: Average each side

(Sheffield units)	170 to 100
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General appearance: Paper shall conform to the standard sample(s) established by the Government.

Brightness: Shall target 81% 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.

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.