

Use Information: This paragraph is informational only and is not exclusively definitive of the end use. For multicolor face and back printing of maps, books, pamphlets, periodicals, brochures, etc. and for high quality reproduction of satellite and high altitude imagery. Printed matter may include text, illustrations, and halftones up to 175-line screen and reproduction of continuous-tone imagery by a random dot process..

Stock: Groundwood pulp, not to exceed 1%.
Note: Not less than 10% postconsumer fiber. Any percent over 10 percentage points, is encouraged, provided that the requirements of this Standard are met.

Acidity: pH value of the coating, average. not less than 6.5

Basis weight: 25 by 38 inches,
500 sheets (pounds) 60 70 80 100
A tolerance of $\pm 5\%$ shall be allowed.

Folding endurance:¹ Average, each
direction, not less than
(MIT double fold) 20 20 20 20

Bursting strength: Average, not
less than (lb/in²) 15 25 35 40

Opacity: Average, not less than
(percent) 93 94 95 96
No individual specimen shall
average less than (percent) ... 91 92 93 95

Thickness: Average (mils) ... 3.7 4.3 4.9 5.5
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.

Gloss (75°): Average, each side, not to exceed
(percent) 25

Smoothness of coating (not less than 5 pounds per
side): Average, each side, not to exceed
(Sheffield units) 120

Oil holdout: Paper shall be a “fully” coated sheet on both
sides. There shall be no oil penetration at 200 seconds on
either side.

*Note: Any deviation in this requirement is sufficient cause
for rejection of the paper. The supplier may be required to
provide certification of the amount & type of coating
applied.*

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

Brightness: Average, not less than 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: Coating shall be uniform; shall be uniformly
applied; shall not be gritty, mottled, stippled, or ribbed in
appearance; and shall not exhibit cracks or flake off.

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.

OPTION

Alkaline paper. This option is for products requiring above average permanence. Replace above with the following
properties.

Stock: 100% bleached chemical woodpulp.
*Note: Not less than 10% postconsumer fiber. Any percent
over 10 percentage points, is encouraged, provided that
the requirements of this Standard are met.*

Acidity: pH value by cold extraction. Average, not less
than 7.0 for both the coating and base paper.
*Note: Any deviation in this requirement is sufficient cause
for rejection of the paper.*

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

¹ This property is automatically waived if the end product is not a map or map-like document.