

**Use Information:** This paragraph is informational only and is not exclusively definitive of the end use. For highest quality offset printing of certificates, citations, diplomas, etc. requiring execution with pen and ink, erasing quality, and permanence and suitable for processing in laser printers. Printed matter may include text and line illustrations.

**Stock:** 100% cotton or linen fibers. 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:*<sup>1</sup> Postconsumer fiber, in any percentage, is encouraged, provided that the requirements of this Standard are met.

**Acidity:** pH value, not less than 6.5

**Basis weight:** 17 by 22 inches,  
500 sheets (pounds)..... 47  
A tolerance of  $\pm 5\%$  shall be allowed.

**Bursting strength:** Average not less  
than (lb/in<sup>2</sup>)..... 40

**Ruling and writing quality:** Lines ruled and character written with ball point and felt tip pens shall be clear cut and free from excessive feathering.

**Watermark:** Paper shall not be watermarked.

**Erasing quality:** Paper shall retain good ruling, writing, and typing quality, texture, and surface appearance, without ink spreading after repeated erasure.

**Curl:** Paper shall lie flat before and after processing through a high speed copier or laser printer with either no tendency to curl or with a curl which can be overcome under reasonable working conditions.

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

**Brightness:** Shall target not less than 60% 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.

**Finish:** Sheffield smoothness not less than 250 units each side.

**Formation:** Shall be uniform.

**Cleanliness:** The dirt count for each side of the paper shall not exceed 250 specks per square meter. No sample sheet (600 to 650 cm<sup>2</sup> in size) shall contain more than one defect with equivalent area of 0.25 mm<sup>2</sup> or greater.

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

<sup>1</sup> This grade is typically not available in less than mill run quantities.