

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

For multicolor face and back offset printing of manuals, maps, tags, outdoor billboards, etc., requiring a high degree of tear resistance and durability. Printed material may include text, line illustrations, and halftones up to 175-line screen.

Stock: Shall be a cellulose - based substrate.

Note: Recovered material, in any percentage, is encouraged, provided that the requirements of this Standard are met.

Caliper: Nominal (mils) 4.0 5.0 6.0 8.0
A tolerance of ±0.0005 inch shall be allowed. The paper shall be uniform and shall not vary more the 0.0004 inch from one edge to the other.

Tearing strength: Average, machine direction, not less than (grams) 60 80 100 140

Opacity: Average, not less than (percent) 90.0 91.0 92.0 94.0

Surface: The paper shall not deteriorate under printing or other normal handling conditions; shall be uniform,

Testing: Shall be conducted in accordance with methods in part 2, *Government Paper Specification Standards*. The acceptance criteria Part 4 does not apply.

Qualified Products: All products shall conform to the above specification requirements. In order for a brand name to be included in the Qualified Products List (QPL) below, it must have been qualified prior to the issuance of the specification. The brand name product shall meet all specification requirements for qualification. For qualification testing/evaluation, the sample set described below in the *sample requirement* paragraph is required.

Awards will be predicated on the use of a product listed below or on a product, which prior to the time set for opening of bids, has been tested and approved. Once the product is accepted for the QPL, it need not be retested for a 3-year period unless the brand name (product) characteristics have been changed.

The following brand name products are on the QPL for this grade

- Tru-Tech(tm) (www.tru-techfinepapers.com)
- Arlon Duralon (tm) (www.arlon.com/ecp/duralon.asp)

free from mottle, and from any particles that will pick, lift, fluff, or pile on use under normal conditions.

General appearance: The paper shall conform to the standard sample(s) adopted by the Government.

Brightness: Shall be not less than 85%

Color: Shall be white. The paper in the order (or publication) shall be uniform. The color variation shall not exceed DE(CIELAB)=1.0.

Aged paper: The L* component of the color shall not decrease more than 3 percentage points

Finish and formation: Shall be uniform

Cleanliness: Film shall be clean

Sample Requirement: Bidder shall submit 25 pieces, 8-1/2 by 11 inches or equivalent for testing and evaluation. The sample shall include an original signed and dated covering document with the following information: (A) JCP code, (B) Marked as *QPL samples*, (C) Brand name and specific product identification number and (D) Product data sheet showing the typical properties of the product.