

February 26, 2020

***The following are the revisions made to the publication Government Paper Specification Standards, Volume 13, dated September 2019.***

**Cover**

From: March 2011 No. 12  
To: September 2019 No. 13

**Title Page**

From: U.S. Government Printing Office  
To: U.S. Government Publishing Office

**Introduction**

From: 108 standards  
To: 103 standards  
Added: Part 5 Basis Weights and Thickness Data  
From: 15 classes of papers  
To: 14 classes of papers

**PART 1 SPECIFICATIONS**

**A15**

**Basis weight**

From: 25 28 30 32  
To: 26.1 27.7 30.0

**Tensile strength**

Deleted

**A25**

**Title**

From: Heat-set Web Offset Machine-finish Book  
To: Uncoated Heat-Set Machine-Finish Web Text

**Stock**

Deleted Lignin content requirement

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Brightness**

From: Shall target 81%  
To: Shall target 88%

**A50**

**Title**

From: Machine-finish Book End  
To: Uncoated Machine-Finish Book End

Previous Option is now the requirement.

**A55**

## Title

From: Heat-set Web Offset Book

To: Heat-Set Web Text

## Stock

Deleted Lignin content requirement

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Brightness

From: Shall target 81%

To: Shall target not less than 90%

## Color

Deleted: CIELAB deviation and values.

**A60**

## Title

From: Offset Book

To: Uncoated Text

## Stock

Deleted Lignin content requirement

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Brightness

From: Shall target 81%

To: Shall target 88%

## Footnotes

Deleted all

**A61**

## Title

From: No. 1 Offset Book, Smooth-finish

To: No. 1 Smooth-Finish Text

Previous Option is now the requirement.

## Acidity

Deleted Note: Any deviation in this requirement is sufficient cause for rejection of the paper.

## Thickness

From: 3.5 4.1 4.9 5.5

To: 3.9 4.7 5.5 6.3

From: A tolerance of  $\pm 0.0003$  inch

To: A tolerance of  $\pm 0.0005$  inch

## Brightness

From: Shall target 83%

To: Shall target 88%

**A63**

## Title

From: Offset Book, Colored

To: Uncoated Colored Text

## Testing

Deleted "except as noted above"

## Footnote

Deleted

**A65**

## Title

From: Light-weight Uncoated Groundwood Paper

To: Uncoated Light-Weight Groundwood Text

## Stock

From: Not less than 40% postconsumer fiber. Any percent over 40 percentage points are encouraged, provided that the requirements of this Standard are met.

To: Mechanical Pulp. No post-consumer fiber is required.

## Thickness

From: 2.6 mils

To: 3.0 mils

## Brightness

From: Shall target 70%

To: Shall target 72%

## Finish

From: Paper shall have an English-finish

To: Shall be uniform.

**A70**

## Title

From: 100% Recycled Offset Book

To: Uncoated 100% Recycled Text

## Bursting Strength

From: 2 (40#)

To: 12 (40#)

## Thickness

From: 5.6 (70#) 6.4 (80#) 8.8 (100#)

To: 5.5 (70#) 6.2 (80#) 8.2 (100#)

## Brightness

From: Shall target 81%

To: Shall target not less than 85%

## Ruling and writing quality

Deleted

## Footnotes

Deleted all

**A72: Deleted**

**A75**

## Title

From: Light-weight Offset Book (Bible Paper)

To: Light-Weight Text (Bible Paper)

Previous Option is now the requirement.

## Acidity

Deleted Note: Any deviation in this requirement is sufficient cause for rejection of the paper.

## Smoothness

From: 90 to 60

To: 60 to 100

## Brightness

From: Shall target 81%

To: Shall target not less than 88%

**A80**

## Title

From: Opacified Offset Book

To: Opacified Text

Previous Option is now the requirement.

## Stock

Deleted Lignin content requirement

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Thickness

From: 3.0 (40#)

To: 3.1 (40#)

## Brightness

From: Shall target not less than 81%

To: Shall target not less than 88%

## Footnote

Deleted

**A90**

## Title

From: Vellum-finish Book, White and Colored

To: Vellum-Finish Text; White and Colors

Previous Option is now the requirement.

## Basis Weight

Added: 100#

## Acidity

Deleted Note: Any deviation in this requirement is sufficient cause for rejection of the paper.

## Bursting strength

From: 23 (60#) 31 (80#)

To: 24 (60#) 28 (80#)

## Brightness

From: shall target not less than 81%

To: shall target not less than 88%

## Footnote

Deleted

**A91**

## Title

From: Smooth and Fancy-finish Text, White and Colored

To: Smooth and Embossed Text; White and Colors

Previous Option is now the requirement.

## Basis weight

Added 60#

## Acidity

Deleted Note: Any deviation in this requirement is sufficient cause for rejection of the paper.

## Thickness

From: 5.5 (70#)

To: 5.6 (70#)

## Brightness

From: shall target 88%

To: shall target 92%

**A95**

## Title

From: Hi-bulk Offset (Return Mailer)

To: Hi-Bulk Text (Return Mailer)

## Basis weight

From: A tolerance of  $\pm 10\%$

To: A tolerance of  $\pm 5\%$

**A100**

## Title

From: Antique Book

To: Antique Text

**A110**

## Title

From: 50% Antique Book

To: 50% Cotton Antique Text

## Acidity

From: not less than 6.5

To: not less than 7.0

## Porosity

Added

**A120**

## Title

From: 50% Laid-antique Book

To: 50% Cotton Laid-Finish Antique Text

## Acidity

From: not less than 6.5

To: not less than 7.0

**A150: Deleted**

**A160**

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Testing

Added "except as noted in the specification"

**A170:** Deleted**A175**

## Title

From: (Publication Grade) Gloss Coated Book

To: Gloss-Coated Text (Publication Grade)

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: Free from groundwood or unbleached wood pulp. Note: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Brightness

From: Average not less than 70%

To: Average not less than 80%

**A180**

## Title

From: Litho (Gloss) Coated Book

To: Gloss-Coated Text

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Basis weight

Added: 50#

## Brightness

From: Average not less than 82%

To: Average not less than 85%

## Footnote

Deleted

**A181**

## Title

From: No. 1 Coated Text, Gloss-finish

To: No. 1 Gloss-Coated Text

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Opacity**

From: Average not less than 94 (70#) 95 (80#) 96 (100#)

To: Average not less than 92 (70#) 93 (80#) 94 (100#)

From: Individual specimen 92 (70#) 93 (80#) 94 (100#)

To: Individual specimen 90 (70#) 91 (80#) 92 (100#)

**Brightness**

From: Average not less than 86%

To: Average not less than 92%

**A182****Title**

From: No. 2 Coated Text, Gloss-finish

To: No. 2 Gloss-Coated Text

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Opacity**

From: Average not less than 94 (70#) 95 (80#) 96 (100#)

To: Average not less than 91 (70#) 92 (80#) 92 (100#)

From: Individual specimen 92 (70#) 93 (80#) 94 (100#)

To: Individual specimen 89 (70#) 90 (80#) 90 (100#)

**Brightness**

From: Average not less than 84%

To: Average not less than 90%

**A205****Title**

From: Litho (Gloss) Coated Book

To: Durable Gloss-Coated Text

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Folding endurance**

From: 100

To: 50

**Brightness**

From: Average not less than 81%

To: Average not less than 88%

**A220****Title**

From: Water-resistant (Text) Book

To: Water-resistance Text

**Thickness**

From: 4.1 mils

To: 4.2 mils

## Smoothness

From: 110 to 60

To: 60 to 140

**A230**

## Title

From: High Yield Opaque Offset (Light Coating)

To: High Yield (Light Coating) Text

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Thickness

From: 3.0 (35#) 3.1 (38#) 3.2 (40#) 3.6 (45#) 4.0 (50#)

To: 2.9 (35#) 3.2 (38#) 3.3 (40#) 3.5 (45#) 3.8 (50#)

## Coating

Deleted "request a certification from the supplier as to the type and amount of coating used in manufacturing the paper."

**A235**

## Title

From: (Publication Grade) Matte Coated Book

To: Matte-Coated Text (Publication Grade)

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Thickness

From: 2.5 (40#) 3.1 (50#) 3.7 (60#) 4.3 (70#)

To: 3.3 (40#) 3.7 (50#) 4.3 (60#) 5.4 (70#)

**A240**

## Title

From: Matte Coated Offset Book

To: Matte-Coated Text

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Folding endurance

From: 20 (60#)

To: 15 (60#)

## Opacity

From: Average not less than 93 (60#) 94 (70#) 95 (80#) 96 (100#)

To: Average not less than 91 (60#) 92 (70#) 93 (80#) 95 (100#)

From: Individual specimen 91 (60#) 92 (70#) 93 (80#) 95 (100#)

To: Individual specimen 89 (60#) 90 (70#) 91 (80#) 93 (100#)



Oil holdout

Deleted

Brightness

From: Average not less than 82%

To: Average not less than 92%

Coating

Deleted

Footnotes

Deleted all

## **A250**

Title

From: Laid-finish Book, White and Colored

To: Uncoated Laid-Finish Text; White and Colors

Basis weight

Added 60#

Thickness

From: 7.5 (80#)

To: 7.4 (80#)

Brightness

From: not less than 81%

To: not less than 88%

## **A260**

Title

From: Dull Coated Offset Book

To: Silk / Dull-Coated Text

Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

Opacity

From: Average not less than 93 (60#) 94 (70#) 95 (80#)

To: Average not less than 88 (60#) 90 (70#) 91 (80#)

From: Individual specimen 91 (60#) 92 (70#) 93 (80#)

To: Individual specimen 86 (60#) 88 (70#) 89 (80#)

Gloss

From: 25 to 40

To: 25 to 50

Brightness

From: Average not less than 82%

To: Average not less than 88%

Footnote

Deleted

## **A261**

Title

From: No. 1 Coated Text, Dull-finish

To: No. 1 Silk / Dull-Coated Text

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Opacity**

From: Average not less than 94 (70#) 95 (80#) 96 (100#)

To: Average not less than 92 (70#) 93 (80#) 94 (100#)

From: Individual specimen 92 (70#) 93 (80#) 94 (100#)

To: Individual specimen 90 (70#) 91 (80#) 92 (100#)

**Brightness**

From: Average not less than 86%

To: Average not less than 92%

**A262****Title**

From: No. 2 Coated Text, Dull-finish

To: No. 2 Silk / Dull-Coated Text

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Opacity**

From: Average not less than 94 (70#) 95 (80#) 96 (100#)

To: Average not less than 91 (70#) 92 (80#) 93 (100#)

From: Individual specimen 92 (70#) 93 (80#) 94 (100#)

To: Individual specimen 89 (70#) 90 (80#) 91 (100#)

**Brightness**

From: Average not less than 84%

To: Average not less than 90%

**Formation**

From: 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.

To: Shall be uniform.

**Finish**

Added

**A270****Title**

From: Uncoated Permanent Book, White and Cream White

To: Uncoated-Permanent Text; White and Cream White

**Folding endurance**

From: 30 (70#)

To: 35 (70#)

**Thickness**

From: 2.2 (30#) 3.0 (40#) 3.9 (50#) 4.7 (60#) 5.5 (70#)

To: 2.6 (30#) 3.5 (40#) 4.1 (50#) 4.5 (60#) 5.0 (70#)

**Brightness**

From: Shall target 81% for the white shade and 72%  $\pm$ 2% for the cream white or as specified

To: The white paper shall average not less than 88% or as specified

**Cleanliness**

From: shall not exceed 250 specks

To: shall not exceed 50 specks

**ANSI/NISO**

Deleted

**Footnote**

Deleted

**A280: Added****D10****Title**

From: Writing, White and Colored with Table Stock Option

To: Writing; White and Colors (With Tablet Stock Option)

**Stock**

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: Post-consumer fiber in any percentage is encouraged

**Thickness**

From: na (12#) na (18#)

To: 2.4 (12#) 3.4 (18#)

From: A tolerance of  $\pm 0.0004$  inch

From: A tolerance of  $\pm 0.0005$  inch

**Footnote**

Deleted 1

**D11****Title**

From: Smooth and Fancy-finish Writing Bond, White and Colored

To: Smooth and Embossed Writing; White and Colors

**Brightness**

From: not less than 88%

To: not less than 90%

**D50****Title**

From: 100% Fine Writing

To: 100% Cotton Fine Writing

**Basis weight**

Added: 24# 32#

**Folding endurance**

Added

**Opacity**

Added

**E10**

## Acidity

Deleted rosin content requirement

## Smoothness

From: 85

To: 100

**E20**

## Stock

From: Not less than 10% postconsumer fiber for the 20-pound stock and 20% postconsumer fiber for the 24-pound stock. Any percent over the 10 and 20 percentage points are encouraged for the 20- and 24-pound stock, respectively

To: Not less than 10% post-consumer fiber. Any percent over the 10 percentage points is encouraged

## Smoothness

From: 110 to 70

To: 60 to 120

**E40**

## Thickness

From: 3.5 (20#) 3.7 (22#)

To: 3.7 (20#) 4.1 (22#)

## Smoothness

From: 110 to 80

To: 60 to 120

**E50**

## Acidity

Deleted rosin content requirement

## Smoothness

From: 110 to 70

To: 60 to 120

## Testing

Added: The "precision" requirements

**F10:** Deleted

**F30:** Deleted

**G05**

## Title

From: Chemical Wood Forms Bond, White and Colored

To: Chemical Wood Forms Bond; White and Colors

## Thickness

From: 2.4 (11/12/13#)

To: 2.6 (11/12/13#)

From: A tolerance of  $\pm 0.0003$  inch

To: A tolerance of  $\pm 0.0005$  inch

**Brightness**

From: The white paper shall target not less than 79%

To: The white paper shall target not less than 84%

**G10****Basis weight**

Added: 28# 32#

**Brightness**

From: Shall target 82%

To: Shall target not less than 88%

**G15****Title**

From: 50% Recycled Forms Bond, White and Colored

To: 50% Recycled Bond; White and Colors

**Opacity**

From: Average not less than 82 (20#)

To: Average not less than 84 (20#)

From: Individual specimen 80 (20#)

To: Individual specimen 82 (20#)

**Thickness**

From: 2.6 (10#) 3.5 (15#) 4.1 (18#) 4.5 (20#)

To: 2.4 (10#) 3.2 (15#) 3.6 (18#) 4.0 (20#)

**Brightness**

From: The white paper shall target not less than 77% or as specified.

To: The white paper shall target not less than 84% or as specified. The natural shade shall target not less than 59% or as specified.

**Cleanliness**

From: Shall match the Government standard.

To: The dirt count for each side of the paper shall not exceed 650 specks per square meter. No sample sheet (8½ x 11" in size) shall contain more than one defect with an equivalent area of 0.25mm<sup>2</sup> or greater.

**G16: Deleted****G40****Title**

From: 25% Bond, White and Colored Archival Quality

To: 25% Cotton Bond; White and Colors; Archival Quality

**Folding endurance**

From: 75 (16#)

To: 70 (16#)

**Brightness**

From: target not less than 82%

To: target not less than 88%

**Cleanliness**

From: shall not exceed 650 specks

To: shall not exceed 250 specks

**ANSI/NISO**

Deleted

**G45**

## Title

From: 25% Bond, White and Colored 50% Recycled  
 To: 25% Cotton Bond; White and Colors; 50% Recycled

## Brightness

From: target not less than 82%  
 To: target not less than 88%

**G50**

## Title

From: 25% Translucent Bond  
 To: 25% Cotton Translucent Bond

## Acidity

Deleted rosin content requirement

## Watermark

Deleted "Paper shall not be watermarked"

## Testing

Deleted "precision requirement"

**G60**

## Title

From: 25% Opacified Bond Archival Quality  
 To: 25% Cotton Opacified Bond; Archival Quality

## Opacity

From: Average not less than 86 (20#) 88 (24#)  
 To: Average not less than 88 (20#) 90 (24#)  
 From: Individual specimen 84 (20#) 86 (24#)  
 To: Individual specimen 86 (20#) 88 (24#)

## Brightness

From: Shall target not less than 82%  
 To: Shall target not less than 85%

## ANSI/NISO

Deleted

**G65**

## Title

From: 25% Opacified Bond, White and Colored 50% Recycled  
 To: 25% Cotton Opacified Bond; White and Colors; 50% Recycled

## Acidity

From: not less than 6.5  
 To: not less than 7.0

## Tearing strength

Added

## Brightness

From: not less than 82%  
 To: not less than 88%

## Finish

Added

**G70**

## Title

From: 50% Bond  
To: 50% Cotton Bond

## Smoothness

From: 370 to 325  
To: 370

## Brightness

From: Shall target 82%  
To: Shall target 88%

**G80**

## Title

From: 100% Bond  
To: 100% Cotton Bond

## Brightness

From: Shall target not less than 82%  
To: Shall target 88%

**H10**

## Title

From: 100% Parchment Deed  
To: 100% Cotton Parchment

## Formation

Added: with a parchment appearance

**H20**

## Title

From: Cream White 100% Artificial Parchment  
To: 100% Cotton Parchment; Cream White

## Basis weight

From: 17 by 22 inches 47#  
To: 20 by 26 inches 65#

## Acidity

Added: "by cold extraction"

## Brightness

Added: "not less than"

## Formation

Added: "with a parchment appearance"

**H30**

## Title

From: Imitation Parchment, Laser-finish, White, Natural White, and Colored Archival Quality Option  
To: Laser-Finish Parchment; White, Natural White and Colors

## Basis weight

From: 17 by 22 inches 47#  
To: 20 by 26 inches 65#

## Folding endurance

From: 28 (24#) 30 (32#)  
To: 22 (24#) 25 (32#)

**Brightness**

From: shall target not less than 79%

To: shall target not less than 82%

**Finish and Formation**

Added: "with a parchment appearance"

**ANSI/NISO**

Deleted

**H40****Title**

From: Cream White Diploma Paper, Smooth-finish Archival Quality Option

To: Smooth-Finish Diploma Paper; Cream White

**Basis weight**

From: 17 by 22 inches 47#

To: 20 by 26 inches 65#

**Smoothness**

From: 250

To: 300

**Formation**

Added: "have a parchment appearance"

**Tearing strength**

From: 50 70 100

To: 100

**ANSI/NISO**

Deleted

**J10****Title**

From: Ledger, White and Colored

To: Ledger; White and Colors

**Stock**

Deleted Lignin content requirement

**Acidity**

From: pH value average not less than 6.5 for white paper and 5.0 for colored paper

To: pH value shall average not less than 5.0

**Brightness**

From: shall target not less than 81%

To: shall target not less than 85%

**Option Acidity**

From: not less than 7.0

To: not less than 7.5

**Testing**

Deleted color criteria

**Footnote**

Deleted



**J20**

## Title

From: 25% Ledger

To: 25% Cotton Ledger

## Brightness

From: Shall target 80%

To: Shall target 88%

**J30**

## Title

From: 100% Ledger

To: 100% Cotton Ledger

## Watermark

Deleted Style F

## Brightness

From: Shall target 80%

To: Shall target not less than 80%

## Footnote 1

From: The grade is 100% recycled with the 100% cotton/linen fiber content.

To: The grade has 100% cotton/linen fiber content.

## Footnote 2

Deleted: The selection of Style C or F watermark depends on the presence of postconsumer recovered fiber in the paper.

**K10**

## Title

From: Index, White and Colored

To: Index; White and Colors

## Stock

From: Not less than 20% postconsumer fiber. Any percentage over 20 percentage points are encouraged

To: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

## Tearing strength

Added

## Thickness

From: 7.5 (90#) 13.8 (170#)

To: 7.4 (90#) 13.5 (170#)

## Brightness

From: not less than 81%

To: not less than 88%

## Option Stock

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

**K20**

## Title

From: 25% Index, White and Colored  
To: 25% Cotton Index; White and Colors

## Stock

From: Not less than 20% postconsumer fiber. Any percentage over 20 percentage points are encouraged  
To: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

## Acidity

Deleted rosin content requirement  
From: pH value average not less than 6.5 for white paper and 5.0 for colored paper  
To: pH value shall average not less than 7.0

## Brightness

From: not less than 80%  
To: not less than 88%

## Testing

Deleted color criteria

## Footnote

Deleted Footnote 2

**K30**

## Title

From: Cream White 100% Index  
To: 100% Cotton Index; Cream White

**L10**

## Title

From: Litho (Gloss) Coated Cover  
To: Gloss-Coated Cover

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged  
To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

## Basis weight

From: 60/65#  
To: 65#

## Brightness

From: Average not less than 82%  
To: Average not less than 85%

**L11**

## Title

From: No. 1 Coated Cover, Gloss-finish  
To: No. 1 Gloss-Coated Cover

## Stock

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged  
To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Basis weight**

From: 65#

To: 60#

**Brightness**

From: Average not less than 86%

To: Average not less than 92%

**Footnote**

Deleted "this weight [60#] is available in limited quantities"

**L12****Title**

From: No. 2 Coated Cover, Gloss-finish

To: No. 2 Gloss-Coated Cover

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Basis weight**

From: 65#

To: 60#

**Opacity**

From: Average not less than 96 (80#) 97 (100#)

To: Average not less than 97 (80#) 98 (100#)

From: Individual specimen 94 (80#) 95 (100#)

To: Individual specimen 95 (80#) 96 (100#)

**Brightness**

From: Average not less than 84%

To: Average not less than 88%

**Footnote**

Deleted "this weight [60#] is available in limited quantities"

**L20****Title**

From: Vellum-finish Cover, White and Colored

To: Vellum-Finish Cover; White and Colors

**Acidity**

Added

**Brightness**

From: shall target 81%

To: shall average not less than 88%

**Testing**

Deleted color criteria

**L21****Title**

From: Smooth and Fancy-finish Cover, White and Colored

To: Smooth and Embossed Cover; White and Colors

**Basis weight**

Added 130#

**Cleanliness**

From: shall not exceed 250 specks

To: shall not exceed 650 specks

**L23****Title**

From: Offset Cover

To: Uncoated Cover

**Brightness**

From: Shall target not less than 83%

To: Shall target not less than 88%

**L24****Title**

From: Vellum-bridol Cover, White and Colored

To: Vellum Bristol Cover; White and Colors

**Brightness**

From: shall target 83%

To: shall target 88%

**L40****Title**

From: Laid-finish Cover, White and Colored

To: Uncoated Laid-Finish Cover; White and Colors

**Brightness**

From: shall target 83%

To: shall target 88%

**L50****Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Basis weight**

From: 60/65#

To: 65#

**Brightness**

From: Average not less than 82%

To: Average not less than 85%

**Footnote**

Deleted

**L60****Title**

From: Dull Coated Cover

To: Silk / Dull-Coated Cover

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Basis weight**

From: 60/65#

To: 65#

**Bursting Strength**

From: 40 (65#) 50 (80#) 60 (100#)

To: 30 (65#) 40 (80#) 50 (100#)

**Smoothness**

From: 115

To: 120

**Brightness**

From: Average not less than 82%

To: Average not less than 85%

**L61****Title**

From: No. 1 Coated Cover, Dull-finish

To: No. 1 Silk / Dull-Coated Cover

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Basis weight**

From: 60#

To: 65#

**Brightness**

From: Average not less than 86%

To: Average not less than 90%

**Footnote**

Deleted "this weight [60#] is available in limited quantities"

**L62****Title**

From: No. 2 Coated Cover, Dull-finish

To: No. 2 Silk / Dull-Coated Cover

**Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Basis weight**

From: 60#

To: 65#

**Opacity**

From: Average not less than 96 (80#) 97 (100#)

To: Average not less than 97 (80#) 98 (100#)

From: Individual specimen 94 (80#) 95 (100#)

To: Individual specimen 95 (80#) 96 (100#)

**Gloss**

From: 25 to 45

To: 25 to 50

**Brightness**

From: Average not less than 84%

To: Average not less than 88%

**Footnote**

Deleted “this weight [60#] is available in limited quantities”

**L70****Caliper**

Deleted: 15pt

Added: 16pt 20pt

**Opacity**

From: Average not less than 94 (24pt)

To: Average not less than 96 (24pt)

From: Individual specimen 92 (24pt)

To: Individual specimen 94 (24pt)

**Brightness**

From: Average not less than 81%

To: Average not less than 88%

**L72: Added****L80****Stock**

From: Not less than 10% postconsumer fiber. Any percentage over 10 percentage points are encouraged

To: No post-consumer fiber is required. Any percentage of post-consumer fiber is encouraged

**Brightness**

From: Average not less than 81%

To: Average not less than 88%

**Cleanliness**

From: shall not exceed 650 specks

To: shall not exceed 250 specks

**N10****Basis weight**

From: 24 by 36 inches

To: 25 by 38 inches

**O10****Adhesive quality**

From: except silicone-treated glass

To: except silicone-treated substrates

**Footnote**

Deleted

**O25**

## Basis weight

Deleted "Bond" and "Ledger"

## Stiffness

Added: Gurley

## Thickness

From: 3.7 (20#) 4.7 (24#)

To: 3.8 (20#) 4.8 (24#)

## Porosity

From: 15 (24#) 15 (32#)

To: 18 (24#) 20 (32#)

## Smoothness

From: 170 to 100

To: 100 to 190

## Brightness

From: Shall target 81%

To: Average not less than 88%

## Footnote

Deleted

**O26**

## Stiffness

Deleted Taber units

## Thickness

From: A tolerance of  $\pm 0.0003$  inch

To: A tolerance of  $\pm 0.0005$  inch

## Footnote

Deleted

**O27**

## Moisture content

From: Average 5.5

To: Average 5.0

From: A tolerance of  $\pm 0.3$

To: A tolerance of  $\pm 0.5$

## Stiffness

Deleted Taber units

## Porosity

From: 15 to 45

To: 20

## Formation

Deleted

## Footnote

Deleted

**O60**

## Title

From: Plain Copier, Xerographic, White and Colored (Archival Quality and Qualified Product)  
To: Plain Copier, Xerographic; White and Colors (Archival Quality)

## Stiffness

Deleted Taber units

## Smoothness

From: 190 to 130  
To: 120 to 200

## Brightness

From: shall target not less than 82%  
To: shall target not less than 88%

## Testing

Deleted: Qualified Product information

## ANSI/NISO

Deleted

## Footnote

Deleted

**O61**

## Title

From: High Quality Xerographic Copier, Laser Printer (Qualified Product)  
To: High Quality Xerographic Copier, Laser Printer

## Stiffness

Deleted Taber units

## Smoothness

From: 100  
To: 110

## Brightness

From: Shall target 86%  
To: Shall target 90%

## Cleanliness

From: shall not exceed 25 specks  
To: shall not exceed 250 specks

## Testing

Deleted: Qualified Product information

## Footnote

Deleted

**O63**

## Title

From: Plain Copier, Xerographic Copier, Laser Printer, Colored (Qualified Product)  
To: Plain Copier, Xerographic, Laser Printer; Colors

## Thickness

From: 3.7 (20#) 4.1 (24#) 4.7 (28#)  
To: 4.0 (20#) 4.5 (24#) 5.0 (28#)  
From: A tolerance of  $\pm 0.0003$  inch  
To: A tolerance  $\pm 0.0005$  inch



**Finish**

Added

**Cleanliness**

From: shall not exceed 100 specks

To: shall not exceed 250 specks

**Testing**

Deleted: Qualified Product information

**O65****Title**

From: Plain Copier, Xerographic, White and Colored (Qualified Product)

To: Plain Copier, Xerographic; White and Colors

**Stiffness**

Deleted Taber units

From: Machine direction: 135

To: Machine direction: 130

**Tearing strength**

From: 36

To: 30

**Smoothness**

From: 190 to 130

To: 130 to 200

**Brightness**

From: shall target not less than 82%

To: shall target not less than 88%

**Testing**

Deleted: Qualified Product information

**Footnote**

Deleted

**O70****Title**

From: 100% Recycled Plain Copier, Xerographic (Qualified Product)

To: 100% Recycled Plain Copier, Xerographic

**Stiffness**

Deleted Taber units

From: Cross direction: 65 (20#)

To: Cross direction: 60 (20#)

**Smoothness**

From: 190 to 130

To: 130 to 200

**Brightness**

From: Shall target 82%

To: Shall target 88%

**Cleanliness**

From: Shall match the Government standard.

To: The dirt count for each side of the paper shall not exceed 250 specks per square meter. No sample sheet (8½ x 11" in size) shall contain more than one defect with equivalent area of 0.25mm<sup>2</sup> or greater.

## Testing

Deleted: Qualified Product information

## Footnote

Deleted

**O80**

## Title

From: Carbonless Bond

To: Carbonless Bond; White and Colors

**O90**

## Title

From: Printable Plastic Film (Synthetic Paper) (Qualified Product)

To: Printable Plastic Film (Synthetic Paper)

## Caliper

From: 4 7 8.5

To: 3.7 7.5 10.5 10.5 12 14 16

Added: A tolerance of  $\pm 0.001$  inch shall be allowed. Paper/film shall be uniform and shall not vary more than 0.0005 inch from edge to edge.

## Opacity

From: 92 (5.5 mil)

To: 91 (5.5 mil)

## Aged film

From: Atlas fadeometer or equivalent with a carbon arc

To: fadeometer with a Xenon Light Source.

From: 4,000

To: 2,000

## Surface

Deleted "or be subject to attack by mold, mildew, or fungus under normal conditions"

## Brightness

From: Shall target not less than 86%

To: Shall not be less than 90%

## Note

Added: Some of the synthetic papers listed in the QPL found at [gpo.gov](http://gpo.gov) are exclusively for offset printing. Some can be used for both offset printing and in copiers and printers. Contact the manufacturer of the synthetic paper for specific limitations and for end use applications.

## Testing

Deleted "except as noted above"

Deleted: Qualified Product information

**O91**

## Title

From: Uncoated (Tear-resistant) Synthetic Paper (Qualified Product)

To: Uncoated (Tear-resistant) Synthetic Paper

## Caliper

Added: 10 12

## Aged paper

From: Atlas fadeometer or equivalent with a carbon arc

To: fadeometer with a Xenon Light Source.

**Testing**

Deleted: Qualified Product information

From: Part 4 shall apply except as noted above

To: Part 4 shall apply as noted above

**P20****Title**

From: High-finish Folder Stock, Natural and Colored

To: High-Finish Folder Stock; Natural and Colors

**Basis weight**

Added: 330#

From: A tolerance of  $\pm 10\%$

To: A tolerance of  $\pm 5\%$

**Q20****Title**

From: Railroad Board, White and Colored

To: Railroad Board, White and Colors

**Q50****Title**

From: Chemical Wood Board, Colored

To: Chemical Wood Board; Colors

**Q80****Writing quality**

From: Characters written with ballpoint and felt tip pens shall be clear-cut.

To: Characters written with ballpoint and felt tip pens shall be clear and free from excessive feathering.

**R10****Title**

From: Pressboard, Colored (Type III)

To: Pressboard; Colors (Type III)

**Thickness**

Deleted: +0.0015 inch shall be allowed (25 mil)

**R11****Title**

From: Pressboard, Colored (Type I)

To: Pressboard; Colors (Type I)

**Thickness**

Deleted: +0.0015 inch shall be allowed (25 mil)

**R30****Basis weight**

From: A tolerance of  $\pm 6\%$  shall be allowed

To: A tolerance of  $\pm 5\%$  shall be allowed

**Density**

From: 0.8 to 1.0

To: 1.4 to 1.6

**Size and trim**

Deleted

**Testing**

Added: "precision requirements"

**General Requirements for Envelopes****Flap adhesive**

From: When opened not less than 15 seconds or more than 20 seconds, after sealing

To: When opened, more than 20 seconds after sealing

**Size**

From: A tolerance of minus 0 inch and +1/8 inch.

To: No undersize envelopes are allowed. See QATAP for specific tolerances.

**V10****Stock**

From: 100% sulphate pulp

To: 1005 Kraft/sulphate pulp

From: Not less than 20% postconsumer fiber. Any percentage over 20 percentage points are encouraged

To: post-consumer fiber in any percentage is encouraged

**Color**

From: Shall be light-brown kraft shade

To: Shall be the manufacturer's standard brown kraft shade. The envelopes in the order shall have a uniform shade.

**Finish**

Added "or as specified"

**V15: Added – White Kraft Envelope****V20****Title**

From: Writing Envelope, White and Colored

To: Writing Envelope, White and Colors

**Stock**

From: Not less than 30% postconsumer fiber. Any percentage over 30 percentage points are encouraged

To: post-consumer fiber in any percentage is encouraged

**Basis weight**

Added: 28 32

**Brightness**

From: not less than 82%

To: not less than 88%

**Finish**

Added "or as specified"

**V40**

## Title

From: 25% Bond Envelope

To: 25% Cotton Bond Envelope

## Brightness

From: not less than 82%

To: not less than 88%

## Finish

From: Envelopes shall have a light cockle finish

To: Envelopes shall have a wove finish or as specified.

**PART 2 TESTING STANDARDS AND DEFINITION OF TERMS****ANSI**

Deleted

**Blocking**

Deleted “on the specimens for uncoated paper and 9 g/cm<sup>2</sup>”

**Erasing quality**

Changed “burnishing” to “erasing”

**FSC**

Added

**Lignin**

Deleted

**Oil holdout (of coating)**

Deleted

**Oil penetration**

Deleted

**PMU (Phosphor meter unit)**

From: to the mail stream

To: by the mail system

**Reflectance (brightness) drop**

Deleted “water-cooled”

**Rosin**

Deleted

**Sampling**

From: particular situation

To: particular applications

**Stiffness**

Deleted “For the Taber test, use method T-489.”

**Watermark**

Deleted “a raised pattern”

## **PART 3 STANDARD SAMPLES AND DRAWINGS**

### **Color/Brightness**

Deleted "To specify a unique color"  
Deleted "manifold" from list of business paper grades.

### **Table 3: B**

From: 82 Brightness  
To: 88 Brightness  
From:  $L^*=93.3$   
To:  $L^*=95.6$

### **Watermark**

Deleted \*YEAR-9.5 mm (3/8") Figures  
Deleted \*Location of year of manufacture

## PART 4 STATUTORY AUTHORITY AND ACCEPTANCE CRITERIA

### Introduction

Added: By letter dated December 17, 1998, the Joint Committee on Printing requested the GPO Director to carry out the Committee's authorities and responsibilities contained in the following sections of Title 44.

### Section 509

Changed "Public Printer" to "Director"

### Section 513

Changed "Public Printer" to "Director"

### Section 514

Changed "Public Printer" to "Director"

### Product Quality Index

Changed "employee" to "employed"

Added: The PQI does not apply whenever an individual property requires "not less than" or "not greater than" in the specification. PQI is applicable only to properties where a tolerance is provided in the specification. "Not less than" means that the test results cannot be more than the requirement cited in the specification. Not meeting the "not greater than" or "not less than" requirement means that the paper shall be considered critically defective, and subject to outright rejections.

### Demerit Assessments

Oil holdout of coating

Deleted

Oil penetration

Deleted

Rosin

Deleted

Oil penetration

Deleted

Stock

Deleted: Lignin more than 1 percentage point from Specified.