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 ±0.0003 inch
To: A tolerance of ±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 ±10%
   To: A tolerance of ±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% ±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 ±0.0004 inch
  From: A tolerance of ±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 ±0.0003 inch
  To: A tolerance of ±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 0.25mm² 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-bristol 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
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 ±0.0003 inch
  To: A tolerance of ±0.0005 inch
Footnote
  Deleted

O27
Moisture content
  From: Average 5.5
  To: Average 5.0
  From: A tolerance of ±0.3
  To: A tolerance of ±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 ±0.0003 inch
   To: A tolerance ±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 0.25mm² or greater.
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   12   14   16
Added: A tolerance of ±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 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 ±10%
   To: A tolerance of ±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 ±6% shall be allowed
   To: A tolerance of ±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/cm²”

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.