

UU-P-270F  
November 16, 1970  
SUPERSEDING  
Fed. Spec. UU-P-270E  
July 6, 1964

FEDERAL SPECIFICATION

PAPER, WRAPPING, WAXED (DRY)

This specification was approved by the Commissioner,  
Federal Supply Service, General Services Administration,  
for the use of all Federal agencies.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers roll and sheet stock of dry-waxed wrapping paper.

1.2 Classification.

1.2.1 Types and classes. Dry-waxed wrapping paper covered by this specification, shall be of the following types and classes, as specified (see 6.2).

Type I - Chemical wood, dry-waxed, white (for food wrapping).  
Type II - Chemical wood, dry-waxed, brown.

Class 1 - Creped one direction.  
Class 2 - Creped both directions.  
Class 3 - Uncreped.

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on the date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

Federal Specification:

MMM-A-260 - Adhesive, Water-Resistant, (For Sealing Waterproof Paper).  
PPP-B-636 - Box, Fiberboard.  
PPP-B-1055 - Barrier Material, Waterproofed, Flexible.  
PPP-T-45 - Tape, Gummed, Paper, Reinforced and Plain, For Sealing and Securing.

Federal Standards:

Fed. Std. No. 123 - Marking for Domestic Shipment (Civilian Agencies).

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements

UU-P-270F

as issued, is for sale on a subscription basis by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

(Single copies of this specification and other product specifications required by activities outside the Federal Government for bidding purposes are available without charge at the General Services Administration Regional Offices in Boston, New York, Washington, D.C., Atlanta, Chicago, Kansas City, Mo., Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, Wash.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

Military Standards:

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
- MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

Laws and Regulations:

Federal Food, Drug, and Cosmetic Act and General Regulations for its Enforcement.

(Copies may be obtained upon application, accompanied by money order, coupon, or cash, to the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402. Prices may be obtained from the Superintendent of Documents.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

Technical Association of the Pulp and Paper Industry (TAPPI) Standards:

- T 401m - Fiber Analysis of Paper and Paperboard.
- T 402m - Conditioning Paper and Paperboard for Testing.
- T 403m - Bursting Strength of Paper.
- T 404m - Tensile Breaking Strength of Paper and Paperboard.
- T 405m - Paraffin in Paper.
- T 410m - Basis Weight of Paper and Paperboard.
- T 414m - Internal Tearing Resistance of Paper
- T 477m - Blocking Resistance of Paper and Flexible Materials.

(Application for copies should be addressed to the Technical Association of the Pulp and Paper Industry, 360 Lexington Ave., New York, N.Y. 10017.)

American Society for Testing Materials (ASTM) Publication:

Method D87-66 - Melting Point of Paraffin Wax.

(Application for copies should be addressed to the American Society for Testing Materials, 1916 Race Street, Philadelphia, Pennsylvania, 19103.)

National Motor Freight Traffic Association, Incorporated, Agent:

National Motor Freight Classification.

(Application for copies should be addressed to the National Motor Freight Traffic Association, Inc., Agent, 1616 P Street N.W., Washington, D.C. 20036.)

Uniform Classification Committee, Agent:

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, Tariff Publishing Officer, Room 202 Union Station, 516 W. Jackson Blvd., Chicago, Illinois 60606.)

### 3. REQUIREMENTS.

3.1 Material. Dry-waxed wrapping paper furnished under this specification shall be made from such material as to insure compliance with the requirements of this specification.

3.2 Certification. Upon receipt of contract, the contractor shall furnish the contracting officer with a certified statement that type I material under contract does not contain toxic or other harmful ingredients, and complies with the Federal Food, Drug and Cosmetic Act and regulations promulgated thereunder.

3.3 Wax. Dry-waxed wrapping paper, covered by this specification, shall contain not less than the amount shown in tables I and II, when tested in accordance with 4.4.6.

TABLE I. Physical requirements of type I paper

Basis weight (24 by 36-500)	Bursting strength avg., min.	Tearing resistance weakest direction average, minimum	Tensile strength weakest direction, average, minimum	Wax content 24 by 36-500 sheets minimum
Pounds	Points	Grams	Pounds Per Inch Width	Pounds
20	10	14	3	3
25	12	17	5	4
30	21	21	7	5
35	24	25	8	6
40	28	30	9	7
50	35	40	12	8
60	42	50	13	10

UU-P-270F

3.4 Melting point of wax. The melting point of the wax shall be not less than 128 deg. F. when tested in accordance with 4.4.7.

3.4.1 Blocking. The finished product shall not block or adhere to itself when tested as described in 4.4.9.

3.5 Color, formation, cleanliness, and general appearance. Deliveries shall conform to the standard comparison sample (see 6.3). Type I paper shall be white; type II paper shall be brown.

3.6 Weight. Unless otherwise specified, dry-waxed wrapping paper shall be in the weights shown in tables I and II (see 6.2).

3.6.1 Weight tolerance. The basis weight of the unwaxed paper shall not vary from the weight specified by more than plus or minus 5 percent.

3.7 Sizes. Paper shall be furnished in sheets or rolls of the size specified in contract or purchase order (see 6.2).

3.7.1 Tolerance. A plus or minus tolerance of 1/16 inch shall be allowed in the sheet dimensions and width of roll on all uncreped paper. A plus tolerance of 1/8 inch and a minus tolerance of 1/16 inch shall be allowed on all creped paper.

3.8 Type I, chemical wood, dry-waxed, white.

3.8.1 Stock shall be one hundred percent bleached chemical woodpulp.

3.8.2 Weight, bursting strength, tearing resistance, tensile strength, and wax content shall comply with the requirements of table I.

3.9 Type II, chemical wood, dry-waxed, brown.

3.9.1 Stock shall be one hundred percent unbleached chemical woodpulp.

3.9.2 Stretch. The stretch of type II, class 1, "Creped in one direction" and class 2, "Creped in both directions" dry-waxed wrapping paper shall be not less than 30 percent when tested in accordance with 4.4.8.

3.9.3 Weight, bursting strength, tearing resistance, tensile strength, and wax content shall comply with the requirements of table II.

3.10 Form. Rolls of dry-waxed wrapping paper shall be uniformly and smoothly wound on nonreturnable cores of a minimum 3-inch inside diameter plus 1/16 inch tolerance, and shall be suitably restrained to prevent unwinding. The length of the core shall be equal to the width of the roll material, with a plus tolerance of 1/8 inch. The cores shall be protected by fitted plastic, wooden or metal core plugs at each end, and shall be of sufficient rigidity to prevent distortion of the roll under normal conditions of transportation and use. Unless otherwise specified, the diameter of the roll shall be not less than 9 inches or greater than 10 inches. When purchased in flat cut sheets, the sheets shall be evenly and uniformly stacked.

TABLE II. Physical requirements of type II paper

Basis weight (24 by 36-500)	Bursting strength avg., min.	Tearing resistance weakest direction average, minimum	Tensile strength weakest direction, average, minimum (Class 3 only)	Wax content 24 by 36-500 sheets minimum
Pounds	Points	Grams	Pounds Per Inch Width	Pounds
20	16	20	5.5	3
25	20	25	7.5	4
30	24	35	9	5
35	28	40	12	6
40	32	50	13.5	7
50	40	60	17	8
60	48	80	20	10

3.10.1 Splices. No roll shall contain more than 2 splices (3 pieces) and no piece shall be less than 20 yards in length. Splices shall be evenly and neatly made the entire width of the roll and shall not come apart during unwinding of the roll. Rolls containing splices shall be marked at each splice with colored flags, colored inserts or by use of colored splicing tape which can be seen easily when the ends of the roll are viewed. No more than 10 percent of rolls within a shipment shall contain splices. No flat cut sheet shall contain any splice.

3.11 Workmanship. The dry-waxed wrapping paper shall be uniformly waxed and coated, clean, free from all imperfections which may impair its serviceability and shall conform to the levels of quality established in this specification.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.1.1 Sampling for inspection and acceptance. Sampling for inspection and acceptance shall be performed in accordance with the provisions set forth in MIL-STD-105, except where otherwise indicated. For sampling, for examinations and tests, a lot shall consist of all material of the same type, class, form, and weight submitted for acceptance and delivery at one time.

4.2 Inspection of components and materials. Quality assurance provisions for components or materials described shall be in accordance with this specification and with subsidiary specifications referenced herein to the extent applicable, except that this specification shall govern in the event of conflict.

4.2.1 Testing of components and materials. Testing shall be performed for the melting point of wax only for the requirements specified in paragraph 3.4 in accordance with the method described in 4.4.7. The sample unit shall consist of an eight ounce composite of the wax. Two determinations shall be

made on the composite sample. For satisfactory results, the average of both determinations shall pass.

UU-P-270F

## 4.3 Inspection of the end item.

4.3.1 Examination of the end item. The end item shall be examined in accordance with the classification of defects, inspection levels and acceptable quality levels (AQLS) set forth in paragraph 4.3.1.6. A random sample shall be drawn from each lot of material for each type, class, form, and weight offered for acceptance for visual and dimensional characteristics. The lot size, for purposes of determining the sample size in accordance with MIL-STD-105, shall be expressed units of rolls or in packages of sheets (flat cuts), as applicable, of the specified type, class, form, and weight of material for examinations under 4.3.1.1 through 4.3.1.4 inclusive, and in units of shipping containers for examination under 4.3.1.5.

4.3.1.1 Examination of the end item for defects in appearance and general workmanship. For examination of defects within rolls, the sample unit randomly selected, shall be twelve consecutive yards, the full width of the roll. For examination of sheets, the sample unit shall be five sheets (flat cuts) randomly selected from a package. No more than three sample units shall be selected from any one roll or package of sheets, as applicable. Both sides of the material shall be examined. Defects of each type shall be scored only once within a sample unit for rolls and once per sheet for flat cuts.

Examine	Defect
Form	Not in roll or flat cut sheets, as specified. Incorrect type or class of material.
Appearance	Color and cleanliness do not compare favorably with comparison sample. Color, finish, and formation not uniform throughout. Surfaces not thoroughly clean; presence of any foreign matter, dirt, sand, or grit. Tears, cut punctures, splits, holes, wrinkles, creases, chafed spots, or scuff marks.
Workmanship	Not uniformly dry-waxed on both sides; presence of lumps, blister, flaking, or streaked wax; evidence of bare spots. Dry-wax paper not odorless. Not trimmed clean; ragged, torn, uneven, or crushed edges; sheets not trimmed square on four sides. Not stretchable in either one or both directions, as specified (applicable to type II material).

4.3.1.2 Examination of the end item for dimensional defects. The sample unit for this examination shall be one roll or one flat cut sheet, as applicable.

Examine	Defect
Sheets	Length or width varies by more than plus or minus 1/16 inch from dimensions specified.
Rolls: Width	Varies by more than plus or minus 1/16 inch from width specified for all uncreped paper or varies more than minus 1/16 or plus 1/8 inch for all creped paper.
Diameter	Greater than 10 inches or less than 9 inches.
Core	Length less than width of roll material or greater by more than 1/8 inch. Inside diameter less than 3 inches or greater than 3-1/16 inches.

4.3.1.3 Examination of the end item for defects in construction. The sample unit for this examination shall be one roll or one package of flat cut sheets, as applicable.

Examine	Defect
Assembly of sheets	Not evenly and uniformly stacked. Any splice within sheet.
Assembly of roll	Not suitably restrained to prevent unwinding. Material not wound uniformly and smoothly on roll causing soft or uneven edges, or telescoping of roll. Edges not clean cut; ragged, nicked, crushed, or uneven edges. Material not wound on a substantial rigid core; core broken, collapsed, crushed, or mutilated. Plastic, wooden, or metal plugs (as applicable) omitted from either one or both ends; do not fit properly, too loose to the extent that plug(s) fall in or out of end openings.
Unwinding of roll (examine both sides)	Does not unroll uniformly and evenly without ravelling. Roll wound unevenly causing wrinkles, sharp creases, or folds within roll. When unwound, material sticks together to the extent that unrolling causes tearing or injury to any surface. Roll not continuous; more than 1 splice in any 20 consecutive yards, or more than 2 splices in any roll. Splice(s) not evenly and neatly made; does not cover entire width of material; comes apart during unwinding. Splice not flagged with colored marker.

UU-P-270F

4.3.1.4 Examination of the end item for count, weight, and length. The sample unit for this examination shall be one roll or one package of flat cut sheets as applicable.

Examine	Defect
Sheets	The average count of sheets per package shall be not less than the specified or indicated quantity.
Rolls: (when specified)	The average weight per roll (including nonreturnable cores, plugs and wrappers) shall be not less than the specified weight. The average length per roll shall be not less than specified.

4.3.1.5 Examination of preparation for delivery. An examination shall be made to determine that packaging, packing, and markings comply with the requirements of Section 5. The sample unit shall be one shipping container, fully packed, selected just prior to the closing operation. Shipping containers shall also be examined for closure defects when fully prepared for delivery.

Examine	Defect
Packaging	Not level specified; not in accordance with contract requirements. Flat sheets or rolls (as applicable) not unit wrapped and packaged as specified. Packaging material not as specified; closures not accomplished by required methods or materials.
Packing (as applicable)	Not level specified; not in accordance with contract requirements. Rolls not overwrapped as specified. Wrapper material other than specified for the applicable level of packing; headers, inside and out (applicable to package rolls) omitted or not of same material as specified. Arrangement or number of unit packages per container not in accordance with contract requirements. Container material not as specified; closures not accomplished by required methods or materials.
Strapping (Steel or tape) (as applicable)	Not properly placed lengthwise, girthwise or horizontally, or not applied in manner specified.
Weight	Gross or net weight exceeds contract requirements.
Markings	Interior or exterior markings (as applicable) illegible, incorrect, incomplete, omitted, or not in accordance with contract requirements.

4.3.1.6 Inspection levels and acceptable quality levels (AQL's) for examination. The inspection levels for determining the sample size and the acceptable quality levels (AQL's), expressed in defects per 100 units, shall be as follows:

Examination paragraph[1]	Inspection levels	AQL's
4.3.1.1	I	2.5
4.3.1.2	S-4	2.5
4.3.1.3	S-4	4.0
4.3.1.4	S-4	---
4.3.1.5	S-4	4.0

[1] The same rolls, packages of sheets, or sheets (as applicable) of the specified material, shall be used for examinations under 4.3.1.2 through 4.3.1.4 inclusive and shall be within the rolls or packages of sheets randomly selected for examination under 4.3.1.1.

4.3.2 Testing of the end item. The end items shall be tested for the applicable characteristics as indicated in table III for each lot presented for examination for each type, class, form, and weight of material. The sample unit shall be one piece full width of the roll by forty-eight inches long when purchase is on roll basis, or two sheets full size when purchase is on basis of flat cut sheets. No more than one sample unit shall be drawn from any one roll or package of sheets. Five sample units, randomly selected throughout the lot, shall be tested with no evidence of failure to meet the specified requirements. The supplier shall furnish the toxicological data and formulations required to evaluate the safety of the material for the proposed use.

#### 4.4 Tests.

4.4.1 Fiber identification. The fiber identification shall be determined in accordance with TAPPI method T 401m after extracting the wax from the specimen in accordance with TAPPI method T 405m.

4.4.2 Basis weight. The basic weight of the paper shall be determined in accordance with TAPPI method T 410m, after removal of the wax in accordance with TAPPI method T 405m.

4.4.3 Bursting strength. The bursting strength shall be determined in accordance with TAPPI method T 403m.

4.4.4 Tearing strength. The tearing strength shall be determined in accordance with TAPPI method T 414m.

4.4.5 Tensile strength. The tensile strength shall be determined in accordance with TAPPI method T 404m.

4.4.6 Total content of wax. One square foot of the dry-waxed wrapping paper shall be weighed and the weight noted. The wax shall be determined in accordance with procedure specified in TAPPI method T 405m. The wax content shall be reported as the weight of paraffin per ream (500 sheets, 24 x 36).

TABLE III. Instruction for Testing

Characteristic	Basic Requirement	Required	Requirement Applicable to		Number Determinations Per Sample Unit	Description or Numerical Point of Failure As Applicable	Results Reported to Nearest
			Individual Unit	Lot Avg			
		1			2	3	4
Type I:							
Stock.....	3.8.1	4.4.1	.....	.....	Sample Unit 2 (composite)	x	.....
Basis weight (dewaxed)... (24 x 36-500)	3.8.2	4.4.2	.....	.....	2 (composite)	.....	0.1 pound
Bursting strength.....	3.8.2	4.4.3	.....	x	6	.....	point
Tearing resistance:	3.8.2	4.4.4	.....	.....	(3 on each side)	.....	gram
Machine direction.....			.....	x	Avg of 5	.....	gram
Cross direction.....			.....	x	Avg of 5	.....	gram
Tensile strength:	3.8.2	4.4.5	.....	.....			
Machine direction.....			.....	x	Avg of 10	.....	0.1 lb/in.width
Cross direction.....			.....	x	Avg of 10	.....	0.1 lb/in.width
Wax content.....	3.8.2	4.4.6	.....	.....	2 (composite)	.....	0.1 lb/ream
Blocking.....	3.4.1	4.4.9	x	.....	1	x	.....
Type II:							
Stock.....	3.9.1	4.4.1	.....	.....	2 (composite)	.....	percent
Basis weight (dewaxed)...	3.9.3	4.4.2	.....	.....	2 (composite)	.....	0.1 pound
Bursting strength.....	3.9.3	4.4.3	.....	x	6 (3 on each side)	.....	point
Tearing resistance:	3.9.3	4.4.4	.....	.....			
Machine direction.....			.....	x	Avg of 5	.....	gram
Cross direction.....			.....	x	Avg of 5	.....	gram
Tensile strength:	3.9.3	4.4.5	.....	.....			
Machine direction.....			.....	x	Avg of 10	.....	0.1 lb/in.width
Cross direction.....			.....	x	Avg of 10	.....	0.1 lb/in.width
Wax content.....	3.9.3	4.4.6	.....	.....	2 (composite)	.....	0.1 lb/ream
Stretch:	3.9.2	4.4.8	.....	.....			
1-way creped material..			.....	x	Avg of 3	.....	0.5 percent
2-way creped material:			.....	.....			
One direction.....			.....	x	Avg of 3	.....	0.5 percent
Other direction.....			.....	x	Avg of 3	.....	0.5 percent
Blocking.....	3.4.1	4.4.9	x	.....	1	x	.....

<sup>1</sup>With the exception of 4.4.8, denotes tests to be performed in accordance with methods indicated in TAPPI Standards, except that the stipulation as to the number of specimens to test, number of determinations to perform, or the number of results to report, shall not apply.

<sup>2</sup>The composite sample shall consist of representative portions taken from each sample unit and combined into a single sample.

<sup>3</sup>If failure is indicated, report either description or numerical point of failure as applicable.

<sup>4</sup>Test reports shall include all values on which results are based.

4.4.7 Melting point of wax. The melting point of the wax shall be determined in accordance with ASTM method D87-66

4.4.8 Amount of stretch. The amount of stretch of type II, classes 1 and 2 dry-waxed wrapping paper shall be measured as follows: For class 1 paper, cut 10 strips approximately 12 inches long by 1 inch wide perpendicular to the creping and for class 2 paper, cut 5 strips approximately 12 inches long by 1 inch wide across the machine direction and cut 5 like strips with the machine direction. Mark a space 10 inches, leaving sufficient space at each end to permit holding the strips firmly with the fingers. Pull the strips over a straight edge with sufficient tension to remove the creping without breaking the strips. The strips shall then be measured again between the marks, and this operation repeated until there is no further stretching of the paper. The average percentage of stretch shall be reported.

4.4.9 Blocking. Blocking shall be determined in accordance with TAPPI method T 477m. For testing, the paper shall be conditioned in accordance with standard conditioning procedures specified in TAPPI method T 402m.

## 5. PREPARATION FOR DELIVERY

5.1 Packaging. Packaging shall be level A, B, or C, as specified (see 6.2).

### 5.1.1 Level A.

5.1.1.1 Rolls. The dry-waxed wrapping paper rolled and prepared as specified in 3.10 shall be individually wrapped with a minimum 40 pound basis weight kraft paper secured with gummed tape conforming to PPP-T-45 or by means of a suitable adhesive applied in such a manner that it will not come in contact with the product being wrapped.

5.1.1.2 Sheets. Sheets of dry-waxed wrapping paper of one type and class, only, shall be completely and compactly wrapped in 500 or 1000 sheet quantities as specified, with a minimum 40 pound basis weight kraft paper. Securing of wrapper shall be by means of gummed tape conforming to PPP-T-45 or by means of a suitable adhesive applied in such a manner that it will not come in contact with the product being wrapped.

5.1.2 Level B. The paper shall be packaged as specified in 5.1.1.

5.1.3 Level C. Rolls or sheets of dry-waxed wrapping paper shall be packaged in accordance with the manufacturer's commercial practice.

5.2 Packing. Packing shall be level A, B, or C, as specified (see 6.2).

### 5.2.1 Level A.

5.2.1.1 Rolls. Each roll packaged as specified in 5.1 shall be wrapped with waterproof barrier material. The wrapper shall be closed at the ends by means of an inside and outside header. The waterproof barrier material used for the wrapper shall conform to PPP-B-1055. The seams of the wrapper and headers shall be sealed with an adhesive conforming to MMM-A-260 in a manner which will effect a waterproof seal.

UU-P-270F

5.2.1.2 Sheets. Sheets packaged as specified in 5.1 shall be packed in snug fitting fiberboard boxes conforming to PPP-B-636, class, weather-resistant. Boxes shall be closed, strapped and waterproofed in accordance with the appendix to PPP-B-636.

#### 5.2.2 Level B.

5.2.2.1 Rolls. Each roll, packaged as specified in 5.1 shall be wrapped overall with heavy duty wrapping paper, having a minimum basis weight of 80 pounds per ream (24 by 36\_\_500). The wrapper shall be closed at the ends by means of inside and outside headers. The seams of the wrapper and headers shall be securely sealed with an adhesive commercially used for this purpose.

5.2.2.2 Flat sheets, packaged as specified in 5.1, shall be packed in a box conforming to PPP-B-636, class domestic. The box shall be closed in accordance with the appendix to the box specification.

5.2.3 Level C. Dry-waxed wrapping paper, in sheets or rolls, packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery to destination at the lowest transportation rate for such supplies. Containers shall be in accordance with Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.2.4 Civil agencies. Paper packaged in accordance with 5.1 shall be packed in accordance with the requirements specified for level B or C, as applicable.

#### 5.3 Marking.

5.3.1 Civil agencies. In addition to any special marking specified in the contract or order, unit packages (wrapped rolls and wrapped reams) and shipping containers shall be marked in accordance with Fed. Std. No. 123.

5.3.2 Military activities. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

#### 6. NOTES

##### 6.1 Intended use.

6.1.1 Type I. Type I is a white dry-waxed paper used in bakeries, butcher shops, and kitchens for wrapping foods.

6.1.2 Type II, classes 1 and 2. Type II, classes 1 and 2 are brown dry-waxed papers intended for general wrapping requiring a stretchable material.

6.1.3 Type II, class 3. Type II, class 3 is a brown dry-waxed paper intended for general wrapping purposes.

6.2 Ordering data. Purchaser should exercise any desired options offered herein and procurement documents should specify the following:

- a. Title, number, and date of this specification.
- b. Type and class (see 1.2.1).
- c. Form, size, and weight (see 3.7 and 3.6).
- d. Selection of applicable levels of packaging and packing, and marking (see 5.1, 5.2, and 5.3),
- e. Only one type, style, and size shipping container should be used for any one item for a specified level of shipment (see 5.2.1.2 and 5.2.2.2).
- f. Inspection responsibility, methods, and tests (see section 4).

6.3 Standard comparison samples may be obtained upon application to the procuring agency issuing the invitation for bids.

MILITARY CUSTODIANS:

Army - GL  
Navy - SA  
Air Force - 69

Review Activities:

Army - MU, MD  
Air Force - 71

User Activity:

Navy - SH

Preparing Activity:

Air Force - 69

CIVIL AGENCIES INTEREST:

GSA-FSS

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Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See section 2 of this specification to obtain copies and other documents referenced herein. Price 15 cents each.

AMENDMENT-2  
February 24, 1976  
SUPERSEDING  
AMENDMENT-1  
January 16, 1976

FEDERAL SPECIFICATION

PAPER, WRAPPING, WAXED (DRY)

This amendment, which forms a part of Federal Specification UU-P-270F, dated November 16, 1970, was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

PAGE 2

Para. 2.2, line 14. Delete "360 Lexington Ave., New York, NY 100171" and substitute "1 Dunwoody Park, Atlanta, GA 30341".

PAGE 4

Para. 3.5. Delete and substitute:

"3.5 Color. Type I paper shall be white. Type II paper shall be brown".

Para. 3.7.1, line 1. Delete "1/16" and substitute "1/8".

PAGE 6

Table, across from "Appearance". Delete "Color and cleanliness do not compare favorably with comparison sample" and substitute "Color not as specified". Delete "Color, finish and formation not uniform throughout".

PAGE 12

Para. 5.2.2.1, line 2. Delete "heavy duty wrapping paper, having a" and substitute "bleached or unbleached 30 to 60 pound basis weight (24 x 36 - 500) wrapping, resulting in a combined."

Line 4 of same para., add: "When machine wrapped, inside headers are not required".

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