

PPP-P-50A
February 6, 1970
SUPERSEDING
Fed. Spec. PPP-P-50
March 12, 1965

FEDERAL SPECIFICATION

PACKAGING AND PACKING OF THREAD FOR DOMESTIC
AND OVERSEAS SHIPMENT

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

1. SCOPE

1.1 This specification covers the packaging, packing, and marking of various kinds of sewing thread for shipment and storage.

2. APPLICABLE DOCUMENTS

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

Federal Specifications:

- UU-P-268 - Paper, Kraft, Untreated, Wrapping.
- PPP-B-566 - Boxes, Folding, Paperboard.
- PPP-B-636 - Box, Fiberboard.
- PPP-B-676 - Boxes, Set-Up.
- PPP-T-76 - Tape, Pressure-Sensitive Adhesive Paper, Water Resistant (For Carton Sealing).

Federal Standard:

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

FSC 8310
FSC PACK

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(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 prices indicated in the Index. The Index, which includes cumulative monthly supplements 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.
- MIL-STD-147 - Palletized and Containerized Unit Loads 40" x 48" Pallets, Skids, Runners, or Pallet-type Base.

(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.)

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

National Classification Board:

National Motor Freight Classification

(Application for copies should be addressed to American Trucking Association, Inc., Attention: Tariff Order Section, 1616 P Street N. W., Washington, D. C. 20036.)

UNIFORM CLASSIFICATION COMMITTEE:

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, 202 Union Station, Chicago, Illinois 60606.)

3. REQUIREMENTS

3.1 Materials. The materials shall be as hereinafter specified. Materials not covered by applicable specifications, or not specifically described herein, shall be of a quality acceptable for the purpose intended.

3.2 Put-up. Thread shall be wound on tubes, cones, spools, or bobbins, or put up in balls or skeins as specified in the applicable thread specification. Thread shall be so wound that each turn and layer is free from entanglement. The outside end of the thread shall be secured in such a manner as to prevent unwinding, loosening, or slipping during handling, shipping, and storage, as applicable.

3.3 Packaging. Packaging shall be level A, B, or C as specified (see 6.1).

3.3.1 Level A.

3.3.1.1 Less than 8 ounces. Tubes, cones, spools, skeins, bobbins and balls of thread, of like description, shall be packaged in paperboard boxes conforming to variety 2, type, class and style optional of PPP-B-566 or PPP-B-676 and in quantities in accordance with industry practice. Boxes shall be sealed with tape conforming to PPP-T-76.

3.3.1.2 Eight ounces or more. Tubes, cones, and spools, shall be individually packaged in a snug-fitting, clear polyethylene film bag of 0.00125-inch thickness (+ 20 percent tolerance). The polyethylene bag shall be formed with heat-sealed seams that are straight and continuous and parallel to each other and the formed edges of the bag. The open end of the polyethylene bag may be closed by twist tying with paper or plastic covered soft wire or tucked into the end of the tube, cone, or spool.

3.3.2 Level B. (see 6.1.1).

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3.3.2.1 Less than eight ounces. Tubes, cones, spools, skeins, bobbins, and balls of thread, of like description shall be packaged in paperboard boxes conforming to variety 1, type, class, and style optional of PPP-B-566 or PPP-B-676, and in quantities specified in the contract or order (see 6.1).

3.3.2.2 Eight ounces and more. Tubes, cones, and spools shall be individually wrapped in minimum 30-pound weight kraft paper conforming to grade B of UU-P-268, 20-pound basis weight machine glazed paper, or minimum 0.00125-inch thick plastic film. In lieu of the plastic film wrap, a close fitting plastic bag may be used provided the open end is tucked into the end of the tube, cone, or spool. Thread containing oil shall be wrapped in greaseproof 25-pound glassine paper or waxed paper, except when placed in the plastic film wrap or bag.

3.3.2.2.1 Intermediate packaging. When specified (see 6.1), the number of unit packages specified in the contract or order (see 6.1), shall be intermediate packaged in a snug-fitting fiberboard box conforming to PPP-B-636, class domestic, type CF, variety SW, style optional.

3.3.3 Level C. Thread shall be packaged to afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets this requirement.

3.4 Packing. Packing shall be level A, B, or C, as specified (see 6.1).

3.4.1 Level A. Thread of like description, packaged as specified in 3.3, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC-L, grade V2s of PPP-B-636. The inside of each fiberboard container shall be fitted with a taped liner conforming to type CF, variety DW, class weather-resistant, grade V15c of PPP-B-636. The fiberboard liner is not required when packing thread that is packaged in paperboard boxes as specified in 3.3.1.1 and 3.3.2.1. Each shipping container shall be closed, waterproofed, and reinforced in accordance with the appendix of the container specification.

3.4.2 Level B. Unless otherwise specified (see 3.4.2.1), thread of like description, packaged as specified in 3.3, shall be packed in a snug-fitting fiberboard container conforming to style RSC-L, type CF, (variety SW) or SF, class domestic, grade 275 of PPP-B-636. For civil agency shipments the quantity per pack shall be specified (see 6.1). The inside of each fiberboard container shall be fitted with a taped liner conforming to type CF, variety DW, class domestic, grade 200 of PPP-B-636. The fiberboard liner is not required when packing thread that is packaged in paperboard boxes as specified in 3.3.1.1, 3.3.2.1 and 3.3.2.2.1. When specified, the fiberboard liner shall not be required for civil agency shipments (see 6.1). Each shipping container shall be closed in accordance with method II as specified in the appendix of the container specification.

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4.3 Inspection of end item.

4.3.1 Examination of end item for put-up, packaging, packing, and marking. The end item shall be examined for put-up, packaging, packing, and marking in accordance with the classification of defects set forth in tables I and II. The sample unit shall be one package or one filled and marked shipping container, as applicable. Not more than one package shall be selected from a container. The lot size for determining the sample size shall be expressed in number of shipping containers of one type and level of pack only, containing thread of one description only. The inspection level shall be S-2 with an AQL of 2.5 for tables I and II, expressed in defects per hundred units.

TABLE I. Examination of the end item for put-up and packaging

Examine	Defect
Put-up	Each turn or layer not free from entanglement. Outside end of thread not secured as specified.
Packaging: Less than 8 ounces	Quantity per package more or less than specified (level B only). Not packaged in paperboard boxes as specified. Boxes not sealed with tape specified (level A only).
Eight ounces or more	Not individually packaged.
Tube, cone or spool	Not wrapped or bagged in material specified. (8 ounces or more). Cracked or broken.
Bag	Seams not continuous, parallel and heat sealed (for level A package). End of bag not twist tied or tucked in end of tube, cone or spool (twist tie applicable only to level A packages).

3.4.2.1 When specified (see 6.1) the shipping container shall be a grade V3c, V3s or V4s fiberboard box fabricated in accordance with PPP-B-636, and closed in accordance with the appendix of the container specification.

3.4.3 Level C. Thread, packaged as specified in 3.3, shall be packed in a manner to insure carrier acceptance and safe delivery at 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.

3.5 Palletization. When specified (see 6.1), thread packed as specified in 3.4, shall be palletized in accordance with Load Type I of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means K and L. Pallet patterns shall be in accordance with the appendix of MIL-STD-147. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of size which does not conform to any of the pallet patterns specified in MIL-STD-147, the pallet pattern used shall first be approved by the contracting officer.

3.6 Marking.

3.6.1 Civil agencies. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with Fed. Std. No. 123.

3.6.2 Military requirements. 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.

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 in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by 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 supplies and services conform to prescribed requirements.

4.2 Inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated hereinafter.

4.2.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be inspected and tested in accordance with all the requirements of referenced specifications and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

TABLE II. Examination of the end item for packing and marking

<u>Examine</u>	<u>Defect</u>
Packing	Thread of more than one description. Quantity per pack not as specified (for civil agencies level B).
Container	Liner missing when required.
Marking	Omitted, incomplete, incorrect, illegible; improper size location, sequence, or method of application.

4.3.2 Examination of shipping container. When containers are required to be in accordance with PPP-B-636 examination for fabrication, closure, waterproofing, reinforcing, or weight and size limitations, shall be in accordance with that specification.

4.3.3 Examination for palletization. An examination shall be made to determine that palletization is in compliance with 3.5 of this specification. Defects shall be scored in accordance with table III. The sample unit shall be one palletized unit load fully prepared for delivery. The lot size shall be the number of palletized unit loads in the end item inspection lot. The inspection level shall be S-1 and the AQL shall be 6.5 defects per hundred units.

TABLE III. Examination of palletization

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirement.
Palletization	Not as specified. Pallet pattern not as specified. Interlocking of loads not as specified.
Weight	Exceeds maximum load limits.
Marking	Omitted; incorrect; illegible; of improper size, location, sequence or method of application.

5. PREPARATION FOR DELIVERY

This section is not applicable to this specification.

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6. NOTES

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

- (a) Title, number, and date of this specification.
- (b) Selection of applicable levels of packaging and packing (see 3.3 and 3.4).
- (c) When fiberboard liner is not required for civil agencies (see 3.4.2).
- (d) Quantity per interior package and shipping container for civil agency shipments (see 3.3.2.1, 3.3.2.2.1, and 3.4.2).
- (e) When weather-resistant grade fiberboard shipping containers are required for level B (see 3.4.2.1).
- (f) When palletization is required (see 3.5).

6.1.1 Level B packaging shall be used when it is known that the material will be shipped from a supplier to a domestic warehouse, supply depot or intermediate storage point for temporary storage, subsequent to issue and/or shipment to eventual user. (see 3.3.2).

6.2 Civil agencies. Fed. Std. No. 102 shall be referred to for definitions and application of the various levels of packaging and packing for civil agency procurements.

MILITARY CUSTODIANS:

Army - GL
Navy - SA
Air Force - 82

Review activities:

Army - SM
Navy - SA
Air Force - 11, 45, 82

User activity:

Navy - AS

Preparing activity:

Army - GL

CIVIL AGENCIES INTEREST:

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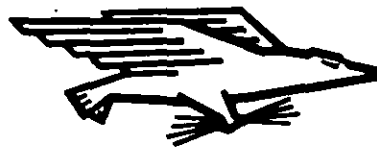
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SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
<p>INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
<p>SPECIFICATION Packaging and Packing of Thread for Domestic and Overseas Shipment PPP-P-50A</p>		
ORGANIZATION		
CITY AND STATE		CONTRACT NUMBER
<p>MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.</p>		
<p>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p>4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)</p>		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

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REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.