

[METRIC]

A-A-697D

July 14, 1993

SUPERSEDES

A-A-697C

April 12, 1990

## COMMERCIAL ITEM DESCRIPTION

## PAPER, TOILET

The General Services Administration has authorized the use of this Commercial Item Description, for all Federal agencies.

Scope. This commercial item description covers one and two ply toilet tissues in roll form.

1 Classification.

- Type 1 - 1 ply toilet tissue
- 2 - 2 ply toilet tissue
- 3 - 1 ply, unbleached toilet tissue

2 Salient Characteristic. Toilet tissues shall be wound evenly on a round paperboard core, made from fibrous, cellulosic material (see 5) and meet the requirements of Table 1, below.

Table 1

Characteristic	Type 1	Type 2	Type 3	TAPPI
Basis Weight, g/m <sup>2</sup> , min. (24 x 36-500), min.	17.9 (11 lb)	27.7 (17 lb)	16.3 (10 lb)	T410
Tensile Strength, Dry CD, 50mm (2 in.), min.	44 N/m 4.0 ozf/in	55 N/m 5.0 ozf/in	38 N/m 3.5 ozf/in	T494

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to General Services Administration, Federal Supply Service, Engineering Branch, 26 Federal Plaza, New York, N.Y. 10278.

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Table 1 (cont.)

Characteristic	Type 1	Type 2	Type 3	TAPPI
Absorption Time, 0.01 ml H <sub>2</sub> O, max.	35 sec	5 sec	50 sec	T432
Brightness, avg. both sides, min.	65 %	65 %	----	T452
Inside dia. of core	34.925 - 44.45 mm (1 3/8 - 1 3/4")			
Roll width	114.3 +/- 3.175 mm (4 1/2 +/- 1/8")			
Roll outside diameter	114.3 +/- 3.175 mm (4 1/2 +/- 1/8")			
Perforation interval	107.95 - 117.475 mm (4 1/4 - 4 5/8")			
Average roll length, min.	114,300 mm (4,500")	57,150 mm (2,250")	114,300 mm (4,500")	
Length per roll, min.	11,125 mm (4,375")	55,575 mm (2,188")	11,125 mm (4,375")	

- 2.1 **Bleaching:** To obtain an acceptable brightness, a chemical bleaching process may be used. When specified, (See Section 7), the bleaching process shall not include the use of chlorine, chlorine dioxide, or hypochlorite. Certification of compliance shall be made available upon request by the Government.
- 2.2 **Workmanship.** For Types 1 and 2, toilet tissues shall be clean and free from dirt spots, holes, or tears 1/16 inch or larger, or more than 5 dirt spots, holes, or tears less than 1/16 inch in one sheet; shives or slivers 1/8 inch or more in length, or more than five shives or slivers less than 1/8 inch in length in one sheet; any foreign matter, undigested paper, or unbleached waste. Toilet tissue shall be uniform in color and shall be trimmed with clean, smooth edges. Sheet formation shall be uniform. Clumps of undispersed fibers or thin looking areas are evidence of poor formation. The tissues shall be perforated so that the sheets can be evenly and completely separated. For Type 2, the perforations between the two plys shall coincide.

For Type 3, toilet tissue shall be uniform in color, sheet formation and shall be trimmed with clean, smooth edges. Clumps of undispersed fibers or thin looking areas are evidence of poor formation. The tissues shall be perforated so that the sheets can be evenly and completely separated. For all types there shall be no defects that affect appearance or serviceability.

2.3 Certification Clause. The supplier shall certify that the toilet tissue shall not clog or interfere with the water flow of waste lines or septic tank systems, and that it shall be nontoxic and harmless to humans.

3 Quality Assurance. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspections and tests. The Government reserves the right to perform any, or all, of these inspections and tests it deems necessary to assure conformance of the product and adequacy of the contractor's inspections and tests. Each lot of toilet tissues shall be inspected for conformance to the requirements specified herein. For inspection purposes a lot shall consist of all tissues of one NSN offered for inspection at the same time. Unless stated otherwise, sampling shall be in accordance with MIL-STD-105, as described below.

3.1 Sampling for examination and tests shall be performed in accordance with MIL-STD-105, using the plans as specified in Table 2, unless otherwise stated. The sample unit shall be ten consecutive sheets selected at random from one roll.

Table 2

Examine	Inspection Levels	AQLs (% defect)
Visual Defects	S-3	6.5
Workmanship Defects	S-3	6.5
Dimensional Defects	S-3	4.0
Paper Characteristics	TAPPI	N/A
Preparation for Delivery	S-2	2.5

TAPPI TESTS - shall be in accordance with TAPPI T400 for the applicable TAPPI test methods.

3.2 Packaging, Packing and Marking. Sampling shall be in accordance with MIL-STD-105 with an Inspection Level S-2 and an AQL of 4.0 percent defective. The sample unit shall be one fully prepared shipping container.

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#### 4 Preparation for delivery.

4.1 Packaging and Packing: Packaging and Packing shall be level A, B or otherwise, as specified in the contract or order.

##### Level A -

**Packaging:** Each roll of toilet paper shall be fully wrapped with closed ends. The complete package shall be designed to protect the toilet paper against damage during shipment, handling and storage.

**Packing:** Ninety-six (96) rolls of toilet paper shall be packed in a close-fitting fiberboard box to insure delivery at destination, to provide for redistribution by the initial receiving activity, and shall be acceptable by common carrier under National Motor Freight Classification and Uniform Freight Classification. Fiberboard boxes meeting all the requirements for Package No. 215 of NMFC 100-N are acceptable.

##### Level B -

**Packaging:** Each roll of toilet paper shall be furnished unwrapped and crushed.

**Packing:** (Navy Pack) - Forty-eight (48) rolls of toilet paper shall be packed in a close-fitting fiberboard boxes conforming to PPP-B-1163, Style RSC, Type SWFCI, Grade 275. The rolls shall be arranged 6 x 4 x 2 or 4 x 3 x 4. The box shall be closed in accordance with PPP-B-636, para. 30.3.2.1.3 (Method V).

**Note:** When the GSA contracting officer has determined that the required use of PPP-B-1163 boxes results in excessive bid prices or unduly restricts competition, he may authorize the use of boxes conforming to PPP-B-636, Type CF, Class Weather-resistant, Variety SW, Grade V3c or W5c; or PPP-B-636, Type CF, Class Domestic, Variety SW, Grade 275 minimum. When Class Domestic boxes are used, each box shall be waterproofed with plastic shrink film.

4.2 Marking. Marking shall be as specified in the contract or order.

5 Regulatory requirements. For all types, the contractor shall certify that the product offered shall be made of 100% waste paper. The contractor shall also certify that Types 1 and 2 offered shall include a minimum of 20% postconsumer recovered material.

The contractor shall also certify that Type 3 offered shall include a minimum of 90% postconsumer recovered material. The postconsumer recovered material shall be considered as part of the overall minimum total of 100% waste paper as defined in 40 CFR, Part 250. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

6 Referenced Documents. The referenced documents in effect on the date of solicitation shall be used to determine compliance with stated requirements.

TAPPI test methods are available from Technical Association of the Pulp and Paper Industry, Technology Park/Atlanta, P.O. Box 105113, Atlanta, GA 30348.

MIL-STD-105 is available from Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

ASTM specifications are available from American Society for Testing and Materials, 1916 Race St., Philadelphia, PA 19103, Attn: Consumer Service.

Title 40, Code of Federal Regulation, Protection of Environment, Part 250, Guideline for Federal Procurement of Paper and Paper Products containing Recovered Materials. Copies of the U.S. Code of Federal Regulations may be purchased with a VISA, Master Card, or prepaid check through:

Government Printing Office  
Washington, D.C.  
Phone: (202) 783-3238

When ordering, ask for:

Title 40, Parts 190-250  
Stock Number: 869-013-00-146-0

7 Ordering Data. Purchasers should specify the following:

- A) Title, number, and date of this specification
- B) Type of toilet tissue (see 1)
- C) Whether bleaching without the use of chlorine, chlorine dioxide, or hypochlorite is required. (see 2.1)
- D) Packaging and Packing Level (see 4.1)
- E) Marking (see 4.2)

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7.1 Item Identifiers/Reference Part Number System (For Cataloging Use Only).

A-A-697-1 :This example describes a 1 ply toilet tissue

- └─ Type 1 - 1 ply toilet tissue
- 2 - 2 ply toilet tissue
- 3 - 1 ply and unbleached toilet tissue

**MILITARY INTERESTS:**

DOD has waived coordination  
of this document.

**PREPARING ACTIVITY:**

GSA - FSS