

(METRIC)

A-A-1742B

May 3, 1995

SUPERSEDING

A-A-1742A

December 26, 1990

COMMERCIAL ITEM DESCRIPTION

**PLASTIC SHEET AND STRIP
(FOR USE IN CONTACT WITH FOOD)**

This Commercial Item Description has been approved by the General Services Administration/Federal Supply Service.

1. **SCOPE.** This description covers plastic sheet and plastic strip in roll form intended for wrapping fresh meat or produce, for packaging food, and for covering dishes or glasses. Plastic sheet and plastic strip shall be of the following types, styles, and sizes, as specified:

Type A - Stretch film for wrapping fresh meats

Type B - Stretch film for wrapping produce

Type C - Shrink film for wrapping fresh meats

Type D - Self clinging film for food packaging and covering dishes or glassware

Style 1 - Perforated

Style 2 - Nonperforated

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, 26 Federal Plaza, New York N.Y. 10278
ATTN: Engineering Branch (2FYEE).

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2. SALIENT CHARACTERISTICS:

A. Construction and dimensions. Size of plastic sheet or strip shall be as specified in the contract or purchase order. Dimensions of style 1 material shall be expressed as number of sheets per the roll, roll width, and distance between perforations. Dimensions of style 2 material shall be expressed as roll length x roll width. The number of sheets per roll or the roll length, as applicable, shall be not less than specified. Roll width shall be as specified with a tolerance of -0.6 cm ($-1/4$ ") or $+1.9$ cm ($+3/4$ "). For style 1 material the distance between perforations shall be as specified, with a tolerance of ± 0.6 cm ($\pm 1/4$ ") when the distance between perforations is 30 cm (12") or less, and a tolerance of ± 1.2 cm ($\pm 1/2$ ") when the distance between perforations is more than 30 cm (12"). The core shall be 0.6 to 1.0 cm ($1/4$ " to $3/8$ ") longer than the width of the film. The inside diameter of the core shall be not less than 7.6 cm (3") for Type A, Type B, or Type C material, and not less than 3.8 cm ($1-1/2$ ") for Type D material.

B. Physical properties. All material furnished under this description shall be fabricated from transparent plastic film which meets the requirements of the Federal Food, Drug and Cosmetic Act for use in direct contact with food. All material shall conform to the designated physical properties listed in Table I below:

Table I

| | Type A | Type B | Type C | Type D | Test Method |
|--|--------|--------|--------|--------|-------------------------------|
| Elongation @ break minimum %, each direction | 300 | 200 | - | - | ASTM D 882 |
| Tearing resistance minimum, g/ply | 20 | - | - | - | ASTM D 1922 |
| Water Vapor Transmission Rate maximum g/645cm ² , 24 hr, @37.7°C & 90%RH (g/100in ² , 24hr, @100°F & 90%RH) | 35 | 50 | 35 | 30 | ASTM E 96 or ASTM F 372 |
| Oxygen Transmission Rate minimum cc/645cm ² *d*atm (cc/100in ² *d*atm) | 750 | - | 500 | - | ASTM D 1434 |
| Carbon Dioxide Rate minimum cc/645cm ² *d*atm (cc/100in ² *d*atm) | - | 5000 | - | - | ASTM D 1434 |
| Thermal Shrinkage Rate machine direction minimum % @ 93.3°C (200°F) | - | - | 15 | - | ASTM D 2732 |

C. Workmanship. The film shall be free of any imperfections or foreign matter that may detract from its appearance or interfere with its utility.

3. QUALITY ASSURANCE:

A. Responsibility for inspection. The contractor is responsible for the performance of all inspection requirements as specified herein. The contractor 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 that supplies and services conform to prescribed requirements.

Testing is required to be performed at the beginning of the contract, or whenever there is a change in manufacturing process or materials. Certificates of compliance are acceptable for the duration of the contract only after the initial testing has been completed and all requirements have been met.

Suppliers are encouraged to use quality control (QC) techniques that exhibit control over their processes, e.g. (Statistical Process Control SPC techniques), as defined in American National Standards Institute (ANSI) Z1.1, Z1.2 and Z1.3/ American Society for Quality Control (ASQC) B.1, B.2 and B.3 that systematically reduce excess variations. Objective evidence shall be available that demonstrates overall measurement adequacy techniques and controls. These techniques shall ensure quality levels equal to, or greater than, those cited in applicable technical document or, herein.

End item inspection/testing may be used by the offeror or the Government representative, as a means to determine the effectiveness of the in process quality controls. In process controls shall not be substituted for end item performance testing.

For those characteristics for which there are no such controls, or for end item performance test, lot by lot sampling for inspection/test shall be required. Sampling shall be in accordance with (ANSI)/(ASQC) Z1.4. An inspection lot shall consist of all like items submitted for inspection at one time. The inspection level shall be S-2 with an AQL of 2.5 Per Hundred Units (DHU) for dimensions, workmanship, physical properties and cling test, with sample unit of 5574 cm² (6 ft²).

The supplier must provide objective evidence (tests and inspection records) that the presented material meets the requirements of the sampling plan as indicated above.

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4. REGULATORY REQUIREMENTS: The offeror/contractor is encouraged to use recovered materials in accordance Paragraph 23.403 of the Federal Acquisition Regulation.

5. PACKAGING, PACKING, AND MARKING: Packaging, packing, and marking shall be as specified in the contract or purchase order.

6. REFERENCED DOCUMENTS: The issues of the referenced documents in effect on the date of the solicitation for offers or request for proposals shall be used to determine conformance with the requirements of this Commercial Item Description.

A. Federal Regulations:

Federal Acquisition Regulation. Paragraph 23.403

Copies of the U.S. Code may be obtained through the Congressional Sales Office, U.S. Government Printing Office, Washington, D.C. 20402.

B. National Standards:

ANSI/ASQC Z1.4 - American National Standards Institute
(ANSI)/American Society for Quality Control
(ASQC), Sampling Procedures and Tables for
Inspection by Attributes.

Available from: American Society for Quality Control, P.O. Box 3005,
611 E. Wisconsin Avenue, Milwaukee, WI 53201-4606.

C. Other Publications: ASTM test methods are available from ASTM
1916 Race Street, Philadelphia, PA 19103.

6. NOTES:

A. Purchasers shall specify the following in the contract or purchase order:

- (a). Name, number, and date of this commercial item description.
- (b). Type, style, and size required
- (c). Packaging, packing and marking required.

8. Item Identifiers/Reference Part Number System
(For cataloging use only)

AA1742 - B 2 This example describes a roll of
 nonperforated stretch film for wrapping produce.

 Style 1 - Perforated
 Style 2 - Non Perforated

 Type A - Stretch film for wrapping fresh meats
 Type B - Stretch film for wrapping produce
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 Type D - Self clinging film for food packaging
 and covering dishes or glassware

MILITARY INTERESTS:

Military Coordinating Activity

Army - GL

Custodians

Army - GL
Navy - SA
Air Force - 69

PREPARING ACTIVITY:

GSA-FSS