

NOT MEASUREMENT
SENSITIVE

A-A-3129D
October 13, 2020
SUPERSEDING
A-A-3129C
September 18, 2014

COMMERCIAL ITEM DESCRIPTION

CUSHIONING MATERIAL, FLEXIBLE OPEN CELL PLASTIC FILM (FOR PACKAGING APPLICATIONS)

The General Services Administration has authorized the use of this commercial item description, for all federal agencies.

1. SCOPE. This Commercial Item Description (CID) covers flexible, open cell, heat sealable, noncorrosive, plastic film for use in cushioning and wrapping applications.
2. CLASSIFICATION. The material covered by this commercial item description shall be of the following types, classes, styles and grades, as specified below and in 7.4.

2.1 Types.

- Type I - Cushioning applications, nominal thickness not less than 6.4 mm (1/4 inch)
- Type II - Wrapping applications, nominal thickness less than 6.4 mm (1/4 inch)

2.2 Styles.

- Style A - Perforated
- Style B - Non-perforated

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data that may improve this document should be sent to: Army Sustainment Command, Packaging, Storage, and Containerization Center, ATTN: AMAS-SPI-P, 11 Hap Arnold Blvd, Tobyhanna, PA 18466-5097 or emailed to usarmy.tyad.usamc.mbx.pt@mail.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>.

2.3 Classes.

Class 1 - Without reinforcing top film

Class 2 - With reinforcing top film

2.4 Grades.

Grade A - Regular

Grade B - Static dissipative

3. SALIENT CHARACTERISTICS

3.1 Construction. The material shall be constructed of a flexible polyethylene or similar plastic film with uniformly distributed open cells structured to provide cushioning without relying on encapsulated air. The Class 2 material shall have an additional attached top film that allows impacts to be spread over a number of cells. The film shall be attached in the way that allows for cell-to-cell transfer of any air not escaping through openings on the cell side of the material, thus allowing for a dampening effect. The material shall be sufficiently transparent to permit reading of 10- point type through a single layer of material when held directly behind and touching the material. The material shall be heat sealable, corrosion resistant and flexible at low temperatures in accordance with normal commercial practice. The barrier material shall have no adverse effect on the health of personnel when used for the purpose intended and if applicable, when all precautions are followed for its usage in accordance with the applicable Safety Data Sheet (SDS).

3.2 Form. The material shall be furnished in continuous length rolls or sheets, in nominal thickness, as specified. When Style A is specified, the rolls or sheets shall be perforated at specified distances.

3.3 Dimensions. Rolls and perforated rolls shall be not less than the specified length. The width shall be as specified, with a tolerance of 6.4 mm (plus or minus 1/4 inch). When Style A is specified, the perforations shall be not more than 6.4 mm (1/4 inch) apart and of a size such that the material can be easily separated at the perforations. The tolerance for the distance between the rows of perforations in Style A material shall be 6.4 mm (plus or minus 1/4 inch).

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3.3.1 Thickness. The thickness of the material shall be as specified, with the tolerance of 1.3 mm (plus or minus 0.05 inch), when tested in accordance with ASTM D2221, Standard Test Method for Creep Properties of Package Cushioning Materials. The material used for cushioning applications, Type I, shall have a nominal thickness of not less than 6.4 mm (1/4 inch) thick. The material used for wrapping applications, Type II, shall have a nominal thickness less than 6.4 mm (1/4 inch).

3.4 Workmanship. The material shall be free from cracks, cuts, holes, chafed spots, or other imperfections that may impair its appearance and serviceability. It shall be free from dirt, mold release compounds, contamination, or other foreign matter.

3.5 Storage stability. After one year of sheltered storage at 75 ± 2 degrees Fahrenheit and 50 ± 5 percent relative humidity, a sample of cushioning material shall be tested for conformance to the requirements of electrostatic decay time and the surface resistivity tests of paragraphs 3.6.2 and 3.6.3 respectively.

3.6 Physical Properties. The material shall pass the applicable requirements specified below.

3.6.1 Creep (Type I). The creep shall be not more than 10% when tested after 7 days, in accordance with ASTM D2221, using a load of 0.25 + or – 0.005psi.

3.6.2 Electrostatic Decay Time (Grade B). The electrostatic decay time shall be not more than 2.0 seconds when tested in accordance with MIL-STD-3010, Test Procedures for Packaging Materials and Containers, Test Method 4046 (12 days oven and 24 hours water shower test not required).

3.6.3 Surface Resistivity (Grade B). The surface resistivity, expressed to 3 significant figures, shall be greater than or equal to 1.00×10^5 and less than 1.00×10^{12} ohms per square when tested in accordance with ASTM D257, Standard Test Methods for DC Resistance or Conductance of Insulating Materials.

4. REGULATORY REQUIREMENTS

4.1 Safety Data Sheets. If applicable, the contracting activity shall be provided an SDS prior to contract award. The SDS shall be prepared and submitted in accordance with FED-STD-313, Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities, and 29 CFR 1910.1200. In the event of a conflict, 29 CFR 1910.1200 shall take precedence. The SDS shall be included with each shipment covered by this document. (See 7.2).

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4.2 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR). However, compliance with the recovered materials program does not relieve the contractor from meeting all other contractual requirements. The performance characteristics of this CID take precedence over recovered content requirements.

5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product Conformance. The product provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES

7.1 Intended use. The materials described are intended for use within packages. Transparent materials are especially suitable for use in inserts within transparent bags and envelopes to permit inspection of the contents. The materials are also used as bags, wraps, dunnage, and as filler. Maximum transparency is obtained when use is limited to one thickness.

7.2 Safety Data Sheets. Contracting officers will identify those activities requiring copies of completed SDS prepared in accordance with FED-STD-313 and 29 CFR 1910.1200. The pertinent Government mailing addresses for submission of SDS are listed in FED-STD-313.

7.3 Ordering data. The contract or order should specify the following:

- a. Title, number, and date of this CID.
- b. Type, style, class, grade and form required.
- c. Length and width required.
- d. For Style A, distance between rows of perforations.
- e. Packaging, packing and marking required.

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7.4 Listing of References.

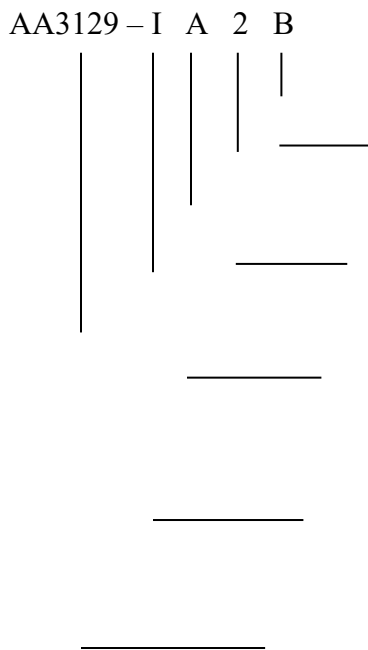
7.4.1 The Code of Federal Regulations and Federal Acquisition Regulation are available at <https://www.acquisition.gov/browse/index/far> or from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001.

7.4.2 Government documents are available at either <https://assist.dla.mil> or <https://quicksearch.dla.mil>.

7.4.3 ASTM International standards are available from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or through <http://www.astm.org>.

7.5 Part or Identification Number (PIN). The following PIN procedure is for government purposes and does not constitute a requirement for the contractor.

This example describes a part numbering system for CID A-A-3129.



Example of reference part number:

AA3129 – IA2B

Grade A – Regular

Grade B – Static dissipative

Class 1 – Without reinforcing top film

Class 2 – With reinforcing top film

Style A - Perforated

Style B- Non-perforated

Type I – Cushioning applications, nominal thickness not less than 6.4mm (1/4 inch)

Type II – Wrapping applications, nominal thickness thickness is less than 6.4mm (1/4 inch)

CID Number

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7.6 Key words.

Heat sealable
Non-perforated
Perforated
Polyethylene
Wrapping

MILITARY INTERESTS:

Custodians:

Army – SM
Navy – SA
Air Force – 69

Review Activities:

Army – AR, AV, CR4
Navy – AS
Air Force – 71

CIVIL AGENCY COORDINATING ACTIVITY:
GSA-FAS

Preparing Activity:

Army - SM

Project 8135-2020-006

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.