

A-A-549A
 August 14, 1981
 SUPERSEDING
 A-A-549
 September 25, 1979

COMMERCIAL ITEM DESCRIPTION
 CUSHIONING MATERIAL, PACKAGING
 (CLOSED CELL PLASTIC FILM)

The General Services Administration has authorized the use of this commercial item description in preference to Federal Specification PPP-C-795.

This description covers closed cell plastic film cushioning material for use in packages to protect items from damage due to shock, vibration, contamination, and abrasion during handling and shipment.

Salient characteristics:

The cushioning material furnished under this description shall be manufactured of transparent plastic film. It shall be heat sealable and noncorrosive. The corrosivity shall be tested in accordance with Method 3005 of Federal Test Method Standard No. 101.

The cushioning materials shall remain flexible at minus 20 degrees Fahrenheit. It shall be able to withstand a pressure drop with not more than 4 percent cell failure. The materials shall be tested by placing it in a vacuum chamber and evacuating the chamber to an air pressure equivalent to 25,000 feet above sea level (18.8 in Hg) for 5 minutes.

Antistatic material shall be furnished when specified. The material shall have a maximum time of decay, to 0 volts, of 2.0 seconds. The time of decay shall be tested in accordance with Method 4046 of Federal Test Method Standard No. 101. (Twelve-day oven preconditioning is not required.)

The cushioning material shall exhibit not more than 10 percent creep when tested in accordance with ASTM D 2221. A 1.0 psi load shall be used. Thickness readings should be taken at the time of initial loading, 1-hour after loading and 120-hours after loading. Thickness loss shall be determined from the 1-hour and 120-hour readings, in accordance with paragraph 9.5 of the test. (Preworking prior to testing is not required.)

The issues of Federal and ASTM test method standards in effect on the date of the solicitation shall be used to determine compliance with these requirements.

The thickness of the cushioning material shall be as specified, within the following ranges:

<u>Nominal Thickness</u>	<u>Thickness Range</u>
1/8 inch	0.080 to 0.140 inch
3/16 inch	0.150 to 0.249 inch
5/16 inch	0.250 to 0.375 inch
1/2 inch	0.375 inch and up

Workmanship. The workmanship shall be in conformance with good commercial practice. The cells shall be evenly spaced with no tears, cuts, or holes.

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product sold in the commercial marketplace. 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.

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Packaging, packing, and marking. Packaging, packing, and marking shall be as specified in the contract or order.

ASTM standards are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

MILITARY INTEREST:

Military Custodians

Army - GL
Navy - AS
Air Force - 69

Review Activity

Army - GL, MI, SM
Navy - OS, CG
Air Force - 99

Preparing Activity:

GSA-FSS