



Designation: D 3892 – 93 (Reapproved 1998)

Standard Practice for Packaging/Packing of Plastics¹

This standard is issued under the fixed designation D 3892; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last approval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This practice covers the packaging and packing of all thermoset and thermoplastic resins and fabricated shapes.

1.2 *This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

NOTE 1—There is no similar or equivalent ISO standard.

2. Referenced Documents

2.1 ASTM Standards:

D 883 Terminology Relating to Plastics²

2.2 Federal Standards:

Department of Transportation 19A, Title 49, Code of Federal Regulations, Section 178.190, Wooden Boxes—Glued, Plywood Cleated³

Department of Transportation 17H, Title 49, Code of Federal Regulations, Section 178.118, Steel Drums³

2.3 Other Standards:

National Motor Freight Classification⁴

Uniform Freight Classification Rules⁵

3. Terminology

3.1 *Definitions:* For definitions of technical terms used in this practice pertaining to plastics, see Terminology D 883.

4. Significance and Use

4.1 Packing and packaging provisions are outlined as needed for adequate transport of resins and finished products with a minimum of mishaps in shipment.

4.2 Commercial levels are included for all commercial and most federal and military shipments. Level A requirements are added for special military purchases only.

5. Procedure

5.1 *Examination of Preparation for Delivery*—Examine in accordance with Table 1 to determine that packaging, packing, and marking comply with requirements specified in the contract or order. The sample unit for this examination shall be one shipping container fully prepared for delivery.

5.2 *Packaging*—Packaging shall be commercial or Level A, as specified.

5.2.1 *Commercial*—The material shall be packaged in accordance with normal commercial practice. The complete package shall be designed to ensure the item against damage during shipment, handling, and storage.

5.2.2 *Level A—For Military Procurement Only:*

5.2.2.1 *Sheets, Rods, Tubes, Pipes, Fittings, and Other Shapes*—Unless otherwise specified in the contract or order, individual fabricated shapes shall be packaged in such a manner as to protect the material against physical and mechanical damage and contamination during transit. Only items comprised of a single National Stock number (NSN) or identifying number shall be placed in one package. Individual sheets shall be masked or interleaved.

5.2.2.2 *Rolls of Film or Sheet*—These shall be supplied in rolls. Each roll shall be wrapped with at least one layer of polyethylene film or kraft paper, and tightly sealed with tape to prevent contamination.

5.3 *Packing*—Packing shall be commercial or Level A, as specified.

5.3.1 *Commercial*—The material shall be packed in accordance with normal commercial practice. The packaged material shall be packed to assure acceptance by common carrier and to provide product protection against loss and damage during multiple shipments, handling, and storage. The shipping container shall be in compliance with National Motor Freight Classification and Uniform Freight Classification Rules.

5.3.2 *Level A (For Military Procurement Only):*

5.3.2.1 *Sheets, Rods, Tubes, Film, and Other Shapes*—The materials packaged as specified in 5.2.2.1 and 5.2.2.2 shall be packed in plywood cleated boxes conforming to Department of

¹ This practice is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.94 on Classification Systems and Government Liaison.

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² *Annual Book of ASTM Standards*, Vol 08.01.

³ Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

⁴ Available from American Trucking Assn., 1616 P Street, N.W., Washington, DC 20036.

⁵ Available from Railroad Freight Classification, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.