

**[INCH-POUND]
A-A-59526
21 December 1999**

SUPERSEDING

MIL-S-2329C

3 December 1975

COMMERCIAL ITEM DESCRIPTION

SHEATH, MACHETE (FOR 18 INCH LONG, 2-1/4 INCH WIDE BLADE)

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

1. **SCOPE.** This document covers a plastic sheath for the M-1942 machete with 18 inch blade. This is a commercial-type product.
2. **SALIENT CHARACTERISTICS.** The material used to make the body of the sheath shall be virgin plastic resin conforming to performance characteristics listed in Table I. The body of the sheath shall have minimum dimensions of 18 1/4 inches in length and 2 1/2 inches in width. A maximum of 20 percent by weight of the blended mixture, of clean, unburned plastic material of the same composition as the virgin material and produced in the molding or finishing operation, may be reground and mixed with the plastic resin. The exterior surface of the sheath body shall have a lusterless stipple finish, while its color shall approximate color number 34088 of FED-STD-595 (Colors Used In Government Procurement). The sheath shall also include a belt attachment with a sharpening device/tool.

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| Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn: DSCP-COET, 700 Robbins Avenue, Philadelphia, PA 19111-5092. |
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TABLE I. Physical Properties of Plastic Resin

| Property | Requirement | Test method ASTM |
|--|------------------|---------------------|
| Density, grams per c.c.(natural resin) | 0.926 +/- 0.003 | D1505 |
| Tensile strength, p.s.i., minimum | 1750 | D 638 1/ |
| Ultimate elongation, percent, minimum | 600 | D 638 1/ |
| Vicat softening temperature, rate A Degrees centigrade, minimum | 75 | D1525 |
| Stiffness in flexure, p.s.i. | 10,000 to 12,000 | D 747 |

1/ Specimens shall be prepared using Die C described in Method of Tension Testing of Vulcanized Rubber, ASTM designation D412-68. The bench mark separation shall be 1.000 inch +/- 0.003 inch. The speed of jaw separation shall be 20 inches per minute.

2/ Specimen size – 3-1/2 inches long, 1 inch wide, and .075 inch thick..

2.1 Labels/markings The sheath body shall be marked with the letters “US” and the manufacturers identification or logo placed on legibly and indelibly. The marking area shall be approximately 1 square inch and the markings shall be raised approximately 0.007 inch in height

2.2 Label/tag. Each item shall be individually bar-coded with a paper tag. The paper tag shall be standard bleached sulfate having a basis weight of 100 pounds. The paper used for the tags shall have a smooth finish to accept thermal transfer and direct printing. The tags shall have a hole and shall be attached to each item by a fastener, clearly legible and readable by a scanner. The bar coding element shall be a 13 digit national stock number (NSN). The bar code type shall be a medium to high code density and shall be located so that it is completely visible on the item when it is folded and/or packaged as specified and so that it causes no damage to the item.

3. REGULATORY REQUIREMENTS

3.1 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

4. QUALITY ASSURANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, and shall conform to the producer's own drawings, specifications, standards and quality assurance practices. The Government reserves the right to require proof of such conformance.

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4.2 Visual examination. Each sheath shall be examined for the defects listed below.

4.2.1 Defects. Any tear cut; hole (except as required), crack or break in sheath body, any pits, nodules, burrs, slivers or sharp edges on hardware, more than 28 core pin holes on both sides of sheath, more than 14 core pin holes on one side of sheath, core pin holes not distributed in a uniform pattern, any bubble, flash or surface blemish, any distorted bulging or waviness, sporadic glossiness or discoloration, any characteristic not in accordance with specified requirements, uncleanliness, identification marking omitted; bar code omitted or not readable by scanner; human-readable interpretation (HRI) omitted or illegible; bar code causes damage to the item; any items not packaged in accordance with the contract or purchase order.

4.3 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order.

5. PACKAGING

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

6. NOTES

6.1 Source of Government documents. Copies of military and Federal documents are available from:

Standardization Documents Order Desk
Bldg. 4D
700 Robbins Avenue
Philadelphia, PA 19111-5094

6.2 Source of non-Government documents

ASTM Test Methods

(Applications for copies should be addressed to American Society For Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428.)”

MILITARY INTERESTS:

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Air Force- 82

CIVIL AGENCY COORDINATING
ACTIVITY:
GSA – FSS

Review Activities

Air Force- 11

PREPARING ACTIVITY:
DLA - CT

Project 8465-0271