

INCH-POUND

A-A-55313

August 25, 1997

COMMERCIAL ITEM DESCRIPTION

CAP, UTILITY: CAMOUFLAGE

The General Services Administration has authorized the use of this commercial item description as a replacement for MIL-C-29366 for all Federal agencies.

1. SCOPE. This commercial item description covers the requirements for a camouflage utility cap worn by personnel of the Marine Corps and Navy.
2. CLASSIFICATION. The caps shall be available in the following types and sizes:

Type I - with Marine Corps insignia
Type II - without insignia

Schedules of sizes

Extra-Extra Small
Extra Small
Small

Medium
Large
Extra Large

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FNS, 2800 South 20th Street, Philadelphia, PA 19145-5099.

AMSC N/A

FSC 8405

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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3. SALIENT CHARACTERISTICS

3.1 Description. The cap shall be a visor style (see Figures 1 through 4), having a lined, two-piece crown shaped with eight evenly shaped, folded, and stitched darts; Marine Corps insignia (Type I cap); two metal eyelets at each side of the crown for ventilation; a lined outside band and a sweatband made from one ply of basic material; and a flexible, quilted hinge-type visor. The upper edge of the crown shall be folded and stitched 1/16 inch from folded edge at upper dart ends for extra circumference of crown.

The crown darts shall finish without gathers, puckers, and pleats. The height of the center front panel shall finish evenly with the height of the top finished points of the front darts. The interlining shall be single stitched to the inside ply of the crown. The Marine Corps insignia decal (Type I cap) shall be placed in the center front of the crown. The eyelets shall be securely attached through each side of the crown. The outside band shall have an interlining with top edges even and stitched across full width of stitching perpendicular to each other forming an X at the center together 1/8 inch from the edge of the entire length of the band. The ends of the band shall be joined with a 1/4 inch seam and backstitched to form a sweatband. The visor shall be smooth and free of wrinkles, gathers, puckers, and other distortions. The visor quilting shall be uniform with 4 rows of stitching spaced 3/8 to 1/4 inch apart and parallel to the outer edge of visor.

3.2 Material.

3.2.1 Basic material. The cap material, including the sweatband, shall be a nylon/cotton blend, wind resistant poplin, woodland camouflage printed cloth. The warp and filling yarns shall be 50 \pm 5 percent nylon, 1 percent static dissipative fiber, and the remaining percentage cotton. The warp yarn shall be 2-ply or singles. The weave shall be a plain weave with reinforcement ribs in both directions forming a uniform pattern. The ribs shall be formed by having every twenty-fourth warp end contain two ends weaving as one and every thirteenth filling pick contain two picks weaving as one. The inside crown and sweatband shall be the basic material or it may be dyed the ground shade of the basic material, or it may be printed seconds of the basic material. The color shall be a Woodland Camouflage Pattern (Light Green 354, Dark Green 355, Brown 356, and Black 357).

All colors of the finished cloth shall match the standard sample when viewed under filtered tungsten lamps that approximate artificial daylight and that have a correlated color temperature of 7500 \pm 200 K, with illumination of 100 \pm 20 foot candles, and shall be a good match to the standard sample under incandescent lamplight at 2300 \pm 200 K.

The cloth shall conform to the requirements specified in Table I.

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TABLE I. Basic material physical requirements

Characteristic	Requirement	Test method
Weave	plain	Visual
Weight, oz./ sq. yd.		
Minimum	6.0	ASTM-D-3776, Option C
Maximum	7.0	ASTM-D-3776, Option C
Yrns per inch (min.)		
Warp	104	ASTM-D-3775
Filling	52	ASTM-D-3775
Breaking strength, (lbs., min.)		
Warp	200	ASTM-D-5034
Filling	90	ASTM-D-5034
Tearing strength, (lbs., min.)		
Warp	7.0	ASTM-D-1424
Filling	5.0	ASTM-D-1424
Air permeability (ft. ³ /min./ft. ²), max.	15.0	ASTM-D-737
Colorfastness to:		
Laundering	"good"	AATCC 61, Test 3A
Light	"good"	AATCC 16, Opt. A
Perspiration	"good"	AATCC 15
Crocking	"good"	AATCC 8 (AATCC Crockmeter Method)
Spectral reflectance (nanometers)	TABLE II	3.2.1.1
Non-fibrous material, (percentage, max.)	2.0	ASTM-D-629, Section 9
pH	5.0 - 8.5	AATCC 81 or ASTM-D-2165
Dimensional stability (percentage, max.)		
Warp	3.5	AATCC 96, Opt. 1C & D
Filling	3.5	AATCC 96, Opt. 1C & D
Seam efficiency, (percentage, min.)	80	ASTM-D-1683