

INCH-POUND

A-A-50358B

10 December 1990

SUPERSEDING

A-A-50358A

26 January 1983

# COMMERCIAL ITEM DESCRIPTION

## COVERALLS, DISPOSABLE, GENERAL PURPOSE

This Commercial Item Description is authorized for use in preference to MIL-C-29133.

Description - The body and leg portion of the coverall shall be one piece, seamed at center back, with full-length raglan, yoke, or set-in sleeves, and an attached one-piece shirt-style or stand-up collar. The front closing slide fastener shall be of any lightweight type suitable for the purpose intended. The thread used for stitching shall be of any commercial type suitable for the purpose intended. The color of the thread shall be white or natural. The stitch type for seaming the coveralls, the seam type, stitch gauge and stitch length shall produce adequately durable seams throughout the garment.

Material - The material shall be nonwoven cloth and the fibers shall be staple, or filament, composed of polypropylene, polyester, rayon, cotton or blend thereof. The cloth shall be processed by spunbonded, meltblown, or hydroentangled methods; or a laminate/composite thereof. The color shall be white. In addition the cloth shall meet the following physical requirements.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, P.O. Box 59, Natick, MA 01760-0001 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8415

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

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Physical requirements - The finished cloth shall conform to the following requirements. The testing shall be as specified in FED-STD-191 unless otherwise specified.

Characteristics	Finished Fabric	Test Method
Weight - oz/yd <sup>2</sup> (gm/m <sup>2</sup> )		
Minimum	1.4 (47.46)	5041
Maximum	3.0 (101.70)	5041
Breaking strength - lbs (N) - Minimum		
Machine direction	5.0 (22.25)	5102
Cross direction	5.0 (22.25)	5102
Tear strength - lbs (N) - Minimum		
Machine direction	5.0 (22.25)	ASTM D1117 1/
Cross direction	5.0 (22.25)	ASTM D1117 <u>1</u> /
Hydrostatic resistance - in (cm)		
Minimum	3.94 (10.0)	5514
Stiffness - in-lbs (N.m) - Maximum	.0038 (.00043)	5202
Thickness - mil (mm) - Maximum	25.0 (.098)	5030
Air permeability - ft <sup>3</sup> /min/ft <sup>2</sup> (cm <sup>3</sup> /sec/cm <sup>2</sup> ) - Minimum	30.0 (15.24)	5450

1/ Constant Rate of Extension (CRE) shall be used in lieu of Constant Rate of Traverse (CRT)

Sizes. The coveralls shall be provided in the following sizes:

X-Small, Small, Medium, Large, X-Large, XX-Large

Label - A commercial type label is acceptable provided that an additional label containing the contract number and NSN is placed directly on the coverall by printing, stamping, stenciling or printed on a pressure sensitive label that will adhere to the inside of the garment.

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Sizes and measurements - The finished measurements of the coverall are listed below. All measurements are expressed in inches.

	A	B	C	D	E	F	G
Size	Chest	Leg inseam length	Sleeve length	Body length	Upperarm width	Leg opening	Slide fastener
X-Small	40	31-1/2	33-1/2	35-1/2	20-3/4	19-1/2	27
Small	44	32-1/2	34-1/2	36-1/2	21-3/4	19-1/2	29
Medium	48	33-1/2	35-1/2	38	23-1/4	20-1/4	30
Large	52	34-1/2	36-1/2	40	24-1/2	21	31
X-Large	56	35-1/2	37-1/2	41	25-3/4	21-3/4	32
XX-Large	60	37	38-1/2	43	27-1/4	21-3/4	33
<u>Tolerances:</u>							
	$\pm 1$	$\pm 3/4$	$\pm 1$	$\pm 1$	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$

Note: Refer to Figure 1 for A, B, C, D, E, F, and G.

Patterns - The government shall furnish a single size pattern. The contractor is responsible for grading patterns for additional sizes. The pattern generally provides a seam allowance of 3/8 inch for safety stitched and joining seams. Commercial patterns may be used in lieu of government patterns, provided they conform to the cited design and finished measurements.

Workmanship - After completion, the coveralls shall be thoroughly cleaned and all foreign matter removed.

Product demonstration model - Offerers are required to submit two (2) coveralls of their intended production and style. Product demonstration model will consist of units independently developed. Product demonstration models will be analyzed and evaluated by the Government. Evaluation criteria and basis for award are contained in the solicitation. Product demonstration models will be retained by the Government. One (1) product demonstration model approved by DPSC under the resultant contract will serve as a manufacturing standard for the corresponding production items delivered under this contract. Offerers are advised that the product demonstration model does not relieve the successful offerer of his responsibility to perform in accordance with the Commercial Item Description specified above.

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Responsibility for inspection - The supplier is responsible for assuring the product conforms to the requirements. Coverall lots will be inspected to determine conformance with the Commercial Item Description and the successful offerer's technical proposal as negotiated. Acceptability of coverall lots will be determined by the use of "Sampling Procedures and Tables for Inspection by Attributes", ANSI Z1.4, published by the American Society for Quality Control. Sampling procedures will be designated by the Government at the time of award. The sample unit is one coverall. The coverall will be examined for commercial type defects.

Defect - Coveralls shall be examined for the following defects: Any size hole, cut, tear, needle chew, smash or float; any evidence of delamination; color not as specified; any spot or stain; thread ends not trimmed; slide fastener omitted, malformed or damaged; label missing, incorrect, or illegible; measurement of item not as specified; any defect not otherwise classified herein but at variance with the product demonstration model.

Preservation - Each coverall shall be neatly folded to measure approximately 14 inches in width by 11 inches in length.

Packing - Forty folded coveralls of one size only shall be packed in a fiberboard shipping container conforming to type CF, class domestic, variety DW, grade 200, size 2A of MIL-B-17757. The liner shall be type CF, class domestic, conforming to the requirements of MIL-B-17757. The box shall be closed in accordance with the box specification.

Marking - In addition to any special marking required by the contract or order, unit packs, intermediate or exterior containers, and palletized unit loads shall be marked in accordance with MIL-STD-129.

Palletization - When specified in the contract, coveralls packed as specified above, shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with the bonding methods C and D or Film bonding F or G. Pallet patterns shall be in accordance with the appendix of MIL-STD-147. The pallet shall be 4-way, type IV; type V, class 1, size 2; or type VIII, fabricated from wood groups I, II, III or IV, grade A of NN-P-71, or 4-way, style 1, size A, type I, class 1 fabricated from groups specified of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall first be approved by the contracting officer.

Custodian:  
Navy - NU

Preparing activity:  
Navy - NU

Review activities:  
Navy - SH  
DLA - CT

Project 8415-N778

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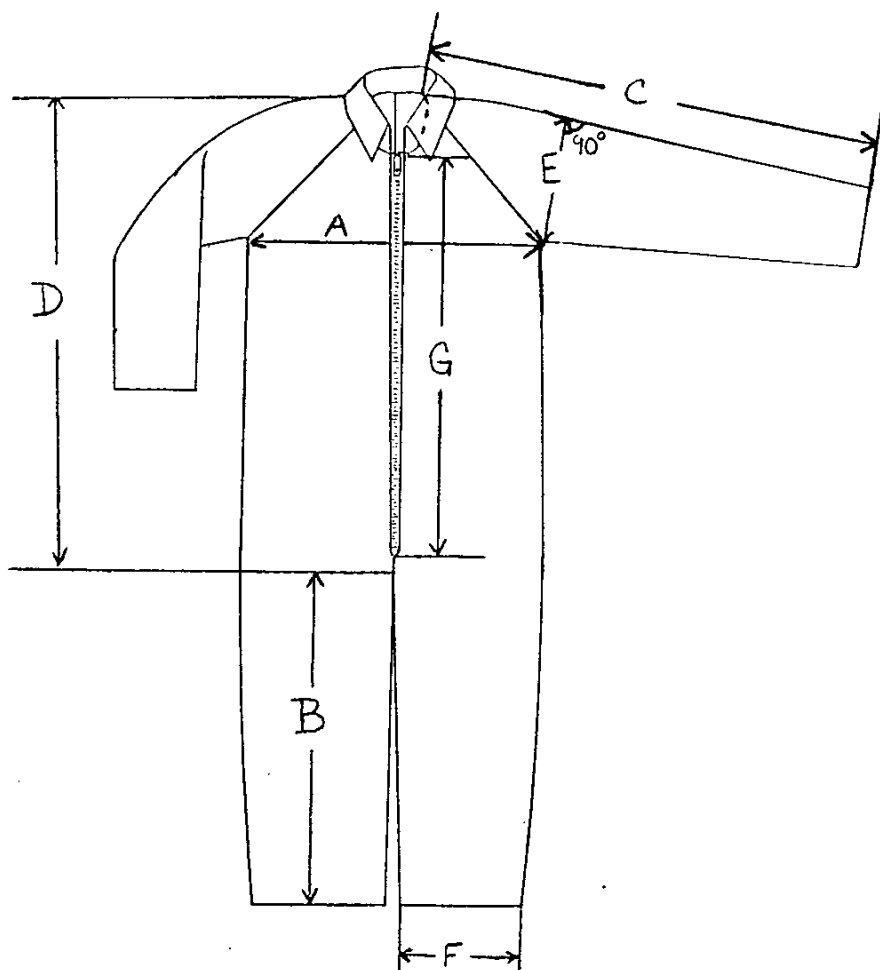


FIGURE 1 - COVERALLS, DISPOSABLE, GENERAL PURPOSE

