

[METRIC]

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SUPERSEDING
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COMMERCIAL ITEM DESCRIPTION

CLOTHS, CLEANING, LOW-LINT

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

1. **SCOPE.** This commercial item description (CID) covers the requirements for two low-lint type cleaning cloths.

2. **CLASSIFICATION.** The cleaning cloths shall be of the following types:

- Type I - For clean room use – requiring ultra-clean, low lint wipers.
- Type II - For general use – requiring low-lint, highly absorbent wipers, but not clean room standards.

3. SALIENT CHARACTERISTICS.

3.1 **Material.** The cleaning cloths shall be of a knit construction consisting of virgin stretch-textured continuous filament nylon or polyester yarn. Spun yarns shall not be used.

3.2 **Dimensions.** Each cleaning cloth shall be between 1,300 and 2,000 square centimeters (approximately 200 and 310 square inches) except that 10 percent of the lot may be between 1,000 and 1,300 square centimeters (approximately 155 and 200 square inches) and 10 percent may be between 2,000 and 2,600 square centimeters (approximately 310 and 400 square inches). Unless otherwise specified, each cloth shall be approximately rectangular with a minimum width of 25.4 centimeters (10 inches). The length shall not exceed twice the width of any cloth. All dimensions shall be determined without stretching the cloth. The cleaning cloths shall not contain any seams or stitching.

3.3 **Color.** The color of the cleaning cloths shall be white, unless otherwise specified by the acquiring activity.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: Commander, Naval Air Warfare Center Aircraft Division, Code 414100B120-3, Highway 547, Lakehurst, NJ 08733-5100.

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3.4 Physical properties. The cleaning cloths shall conform to the requirements specified in table I.

TABLE I. Physical properties.

| CHARACTERISTIC | REQUIREMENT | | TEST METHOD OR PARAGRAPH |
|--|--------------------------------|------------------------------------|--|
| | Type I | Type II | |
| Weight, grams/square meter (ounces/square yard): Minimum Maximum | 101.7 (3.0) 305.2 (9.0) | 101.7 (3.0) 305.2 (9.0) | FED-STD-191, Method 5041 |
| Oil absorption, percent, minimum | 120 | 120 | 3.4.1 |
| Antistatic properties: 1/ Surface resistivity, ohms/unit square, maximum Dissipation time, seconds, maximum | 1×10^{11} 2.0 | 1×10^{11} 2.0 | NFPA-56A FED-STD-101, Method 4046.1 |
| Particle count, maximum/square centimeter (size in microns): 5 – 10 11 – 25 26 – 50 51 – 100 Over 100 | 1,600 160 45 30 10 | 10,000 2,150 225 70 25 | FED-STD-791, Method 3009 |
| Particulate contaminants, 5 microns and over, particles/square meter (particles/square foot), maximum | 21,528 (2,000) | – | ASTM-F51 |

1/ The contractor will show conformance to either of the antistatic requirements, dependent upon available testing equipment.

3.4.1 Oil absorption. Weigh each conditioned specimen (specimen shall be not less than 1,300 square centimeters) individually to the nearest 0.01 gram. Three samples shall be tested and the results averaged. Immerse the specimens in hydraulic fluid (see 6.3) in a manner that the fluid completely surrounds the specimens and that no specimen touches any other specimen or the sides of the container. Immediately after 1 minute, remove the specimens from the fluid and suspend them individually without touching by one corner until no drop forms in 30 seconds. Reweigh each specimen individually to the nearest 0.01 gram and calculate the percent absorption as follows:

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$$\text{Percent oil absorption} = \left(\frac{A - B}{B} \right) \times 100$$

where A = final weight of specimen
 B = initial weight of specimen

4. QUALITY ASSURANCE PROVISIONS.

4.1 Product conformance. The cleaning cloths provided shall meet the salient characteristics of this CID, conform to the manufacturer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof such of conformance.

4.2 Market acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

4.2.1 The company producing the cleaning cloths must have been producing a product meeting the requirements of this CID for at least 6 months.

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 documents.

6.1.1 ASTM Standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.1.2 Federal Standards and Specifications may be obtained from the General Services Administration Specifications Section, Suite 8100, 470 E. L'Enfant Plaza, SW, Washington, DC 20407.

6.1.3 NFPA Standards are available from the National Fire Protection Association, Battery March Park, Quincy, MA 02269.

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6.2 Ordering data. Requests, requisitions, schedules, and contracts or orders should specify the following:

- a. Title, number, and date of this CID.
- b. Type, quantity, and dimensions of cloths required.
- c. Preservation, packing, and marking.

6.3 Hydraulic fluid. The oil absorption test can be performed using the following oils, or equivalents, conforming to MIL-H-5606: Royco 756, manufactured by Royal Lubricants, East Hanover, NJ or Brayco Micronic 756, manufactured by Castrol Industrial North America, Specialty Products Division, Downers Grove, IL.

6.4 National Stock Numbers (NSNs). The following is a list of assigned NSNs that correspond to this CID. The list may not be indicative of all possible NSNs associated with this CID.

7920-00-044-9281

7920-00-165-7195

MILITARY INTERESTS:

Custodians:

Army - GL

Navy - AS

Review activity:

Navy - MC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA/FSS - 7FXE

Preparing activity:

Navy - AS

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