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Master
Specification
No. 228

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
George K. Burgess, Director

CIRCULAR OF THE BUREAU OF STANDARDS, No. 218

[Issued May 22, 1925]

UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR
RUBBER DAM

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 228

This specification was officially promulgated by the Federal Specifications Board on November 5, 1924, for the use of the Departments and Independent Establishments of the Government in the purchase of rubber dams.

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I. TYPE

Rubber dam shall consist of a single type as described below.

II. MATERIAL AND WORKMANSHIP

Rubber dam shall have a smooth surface finish and be free from ingrained particles, blisters, or other imperfections.

III. GENERAL REQUIREMENTS

Rubber dam shall be not less than 0.008 inch and not more than 0.010 inch thick, and shall weigh not less than 6 nor more than $7\frac{1}{4}$ ounces per square yard. It shall be supplied in rolls 6 inches wide and 9 feet or 18 feet long, as specified in proposal.

IV. DETAIL REQUIREMENTS

1. RUBBER CONTENT.—Rubber dam shall contain not less than 95 per cent by volume of best quality new wild or plantation rubber.

2. ASH.—The dam shall show not more than 5 per cent of ash on ignition.

3. TENSILE STRENGTH.—The tensile strength shall be not less than 1,800 lbs./in.² Tests shall be made within 30 days from date of delivery.

4. ULTIMATE ELONGATION.—The ultimate elongation shall be not less than 800 per cent (1 inch to 9 inches).

5. RESISTANCE TO HOT AIR.—Samples shall be aged in a drying oven in circulating air at 70° C. for seven days. Twenty-four hours after removal the tensile strength shall not decrease more than 50 per cent.

V. SAMPLING

One running yard shall be selected from each 100 rolls or less delivered for test and analysis.

VI. PACKING AND MARKING

Each roll shall be wrapped in tissue paper and sealed, the seal to bear the name or trade name of the manufacturer and date of manufacture. Each roll shall be packed in a well-made, strong, cardboard carton.

VII. ADDITIONAL INFORMATION

No details specified.

VIII. GENERAL SPECIFICATIONS

General Specifications for Rubber Goods, F. S. B. Specification No. 59, in effect on date of issuance of proposal, shall form part of this specification.

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