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DEPARTMENT OF COMMERCE

BUREAU OF STANDARDS  
George K. Burgess, Director

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UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR  
POLITZER BAGS

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 218

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 politzer bags

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I. TYPE

Politzer bags shall be of a single type as described below.

II. MATERIAL AND WORKMANSHIP

Politzer bags shall be made of a rubber compound. The surface shall be smooth and free from pits or other imperfections. An embossed surface will not be acceptable.

III. GENERAL REQUIREMENTS

Bags shall be pear shaped with neck into which a hard rubber connection piece with conical nasal tip shall be tightly fitted. The tip shall make tight connection with rubber tubing. Politzer bags shall be furnished in sizes of 6, 8, or 10 ounce capacity.

#### IV. DETAIL REQUIREMENTS

1. DIMENSIONS.—The wall of the bag shall be 0.125 inch thick with a tolerance of  $\pm 0.025$  inch. The tubing shall be three-sixteenths inch inside diameter with one-sixteenth-inch wall, and shall be at least 6 inches long.

2. RUBBER CONTENT.—The bag shall be made from a rubber compound containing at least 55 per cent, and the tubing shall contain at least 90 per cent, by volume, of best quality new wild or plantation rubber. The connection piece and nasal tip shall consist of best quality hard rubber.

3. TENSILE STRENGTH.—The tensile strength of bags and of tubing shall be at least 1,200 lbs./in.<sup>2</sup>

4. ULTIMATE ELONGATION.—The ultimate elongation of bags shall be not less than 300 per cent (2 inches to 8 inches) and of tubing not less than 700 per cent (1 inch to 8 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 of bag and tubing shall not decrease more than 50 per cent.

#### V. SAMPLING

One bag of each size shall be selected from each 100 or less delivered for test and analysis.

#### VI. PACKING AND MARKING

Each bag shall be marked with the manufacturer's name or trade name and date of manufacture. Packing shall be as called for in the proposal.

#### 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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