

U. S. Gov't
Master
Specification
No. 487

DEPARTMENT OF COMMERCE

BUREAU OF STANDARDS
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UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR PACKINGS, ASBESTOS WICK AND ROPE

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 487

This specification was officially promulgated by the Federal Specifications Board on May 12, 1927, for the use of the departments and independent establishments of the Government in the purchase of asbestos wick and rope packings.

[The latest date on which the technical requirements of this specification shall become mandatory for all departments and independent establishments of the Government, is August 12, 1927. They may be put into effect, however, at any earlier date after promulgation]

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I. GENERAL SPECIFICATIONS

Unless otherwise specified herein, tests and analyses shall be made in accordance with the methods described in United States Government general specifications for rubber goods, Federal Specifications Board specification No. 59, in effect on date of invitation for bids.

II. GRADE AND TYPES

Wick and rope packing shall be made in one grade only, as follows: Wick packing, one-fourth inch only. Rope packing, all sizes, three-eighths inch and larger.

III. MATERIAL AND WORKMANSHIP

Wick and rope packing shall be made from long-fiber carded asbestos spun into yarns and laid up into the general form of a common lamp wick or a loosely twisted cord which can be separated and rewound into grommets or braided into small gaskets. If a core is employed, it shall be of the same material and construction.

IV. GENERAL REQUIREMENTS

See detail requirements.

V. DETAIL REQUIREMENTS

1. Packing shall be made from yarn containing not less than 85 per cent, by weight, of asbestos of at least 12 per cent water of composition.

2. No wire insertion, sizing, or lubrication shall be permitted.

3. The weight per linear yard shall not be less than stated in the following table:

Nominal size (inches)	Minimum weight per linear yard
	<i>Pound</i>
$\frac{1}{4}$ -----	0.045
$\frac{3}{8}$ -----	.12
$\frac{1}{2}$ -----	.20
$\frac{2}{3}$ -----	.30
$\frac{3}{4}$ -----	.40
$\frac{7}{8}$ -----	.50
1-----	.75
$1\frac{1}{4}$ -----	1.00

VI. METHOD OF INSPECTION AND TEST

1. Three balls or reels from each lot of 25 or less of the same size under inspection shall be selected by the inspector, measured, and weighed to obtain the average weight per linear yard.

2. A sample weighing not less than 6 ounces shall be selected from each lot of 100 pounds or less of each size and sent to the Government laboratory for test.

3. The following tests shall be made in the Government laboratory: (a) Hygroscopic moisture, (b) asbestos content, and (c) water of composition.

VII. PACKING OF SHIPMENTS

Packing shall be furnished as follows unless otherwise specified: One-fourth-inch wick packing in 1-pound balls; three-eighths to $1\frac{1}{4}$ inch rope packing in 25-pound reels.

VIII. NOTES

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