

TABLE 160.002-4 (c)(1)—DISTRIBUTION OF KAPOK IN PAD INSERTS—Continued

	Model 3 (minimum)	Model 5 (minimum)
Upper section	3.75 oz. each	2.50 oz. each.
Back Pad	6.00 oz.	4.00 oz.
Total	24.00 oz.	16.00 oz.

(2) *Displacement of pad inserts.* The volume of the finished individual heat-sealed buoyant pad inserts shall be such as to provide buoyancy as set forth in the following table when tested in accordance with the method set forth in §160.002-5(d), except that the period of submergence shall be only long enough to determine the displacement of the pads:

TABLE 160.002-4(c)(2)—VOLUME DISPLACEMENT OF SEALED PADS

	Model 3	Model 5
Front pads	12½ lbs. each ±¾ lb	6½ lbs. each ±½ lb.
Back pads	8 lbs. each ±½ lb	4½ lbs. each ±½ lb.

(d) *Tie tapes.* The tie tapes at the neck shall extend not less than 14 inches from the edge of the adult life preserver and not less than 12 inches from the edge of the child life preserver. They shall be stitched through both thicknesses of the envelope as shown by Dwg. No. F-49-6-1, Sheet 1, for adult size, and Dwg. No. F-49-6-5, Sheet 1, for child size, or by the alternate stitching shown on Sheet 1A. The free ends shall be doubled over and stitched in accordance with section G-G of Sheet 1.

(e) *Drawstrings.* The drawstrings at the waist shall extend not less than 8 inches from the edge of the life preserver and shall be secured in the drawstring tunnel as shown by Dwg. No. F-49-6-1, Sheet 1, for adult size, and Dwg. No. F-49-6-5, Sheet 1, for child size, or by the alternate stitching shown on Sheet 1A. The free ends shall be doubled over and stitched in accordance with section G-G of Sheet 1.

(f) *Body strap.* The body strap shall be fitted with a single Dee ring on one end with the arrangement of a snap hook and pre-threaded double Dee rings as shown on Dwg. No. F-49-6-1, Sheet 1, on the other. The body strap shall be stitched as shown on the drawings, and the edge of the single Dee ring shall be

20 inches from the center line for adult size and 15 inches for child size.

(g) *Reinforcing tape.* Binding tape shall be stitched approximately 15 inches for adult jackets and 12 inches for child jackets around the back of the neck, and also around the openings of the drawstring tunnel and around the bottom of the armholes, as indicated by the drawings.

(h) *Stitching.* All stitching shall be a short lock stitch conforming to Stitch Type 301 of Federal standard No. 751 and there shall be not less than 7, nor more than 9 stitches to the inch.

(i) *Workmanship.* Life preservers shall be of first-class workmanship and shall be free from any defects materially affecting their appearance or serviceability.

[CGFR 53-25, 18 FR 7856, Dec. 5, 1953, as amended by CGFR 58-23, 23 FR 4627, June 25, 1958; CGFR 65-16, 30 FR 10897, Aug. 21, 1965]

§ 160.002-5 Sampling, tests, and inspections.

(a) Production tests and inspections must be conducted by the manufacturer of a life preserver and the accepted laboratory inspector in accordance with this section and §160.001-5.

(b) *Buoyancy test.* The buoyancy of the pad inserts from the life preserver shall be determined according to §160.001-5(f) of this part with each compartment of the buoyant pad insert covers slit so as not to entrap air. The period of submersion must be at least 48 hours.

(c) *Buoyancy required.* The buoyant pad inserts from Model 3 adult life preservers shall provide not less than 25 pounds buoyancy in fresh water, and the pads from Model 5 child life preservers shall provide not less than 16.5 pounds buoyancy.

[CGD 95-028, 62 FR 51211, Sept. 30, 1997]

§ 160.002-6 Marking.

Each life preserver must have the following clearly marked in waterproof ink on a front section:

(a) In letters three-quarters of an inch or more in height:

(1) Adult (for persons weighing over 90 pounds); or

(2) Child (for persons weighing less than 90 pounds).

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(b) In letters that can be read at a distance of 2 feet:

- Type I Personal Flotation Device. Inspected and tested in accordance with U.S. Coast Guard regulations.
- Kapok buoyant material provides a minimum buoyant force of (25 lb. or 16½ lb.). Do not snag or puncture inner plastic cover.
- Approved for use on all vessels by persons weighing (90 lb. or more, or less than 90 lb.).
- U.S. Coast Guard Approval No. 160.002/(assigned manufacturer's No.)/(Revision No.); (Model No.).
- (Name and address of manufacturer or distributor.).
- (Lot No.).

[CGD 72-163R, 38 FR 8118, Mar. 28, 1973, as amended by CGD 75-008, 43 FR 9770, Mar. 9, 1978]

§ 160.002-7 Procedure for approval.

General. Manufacturers seeking approval of a life preserver design shall follow the procedures of subpart 159.005 of this chapter, as explained in § 160.001-3 of this part.

[CGD 95-028, 62 FR 51211, Sept. 30, 1997]

Subpart 160.005—Life Preservers, Fibrous Glass, Adult and Child (Jacket Type), Models 52 and 56

§ 160.005-1 Incorporation by reference.

(a) *Specifications and Standards.* This subpart makes reference to the following documents:

- (1) Federal Specification:
 - L-P-375C—Plastic Film, Flexible, Vinyl Chloride.
- (2) Federal Standards:
 - No. 191—Textile Test Methods.
 - No. 751A—Stitches, Seams, and Stitchings.
- (3) Military Specification:
 - MIL-W-530F—Webbing, Textiles, Cotton, General Purpose, Natural and in colors.
 - MIL-R-2766B—Batt, Fibrous Glass, Life-saving Equipment.

(b) *Plans.* The following plans, of the issue in effect on the date life preservers are manufactured, form a part of this subpart:

- Dwg. No. 160.005-1:
 - (Sheet 1) Cutting Pattern and General Arrangement (Adult).

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- (Sheet 2) Alternate Stitching of Tapes and Webbing (Adult and Child).
- (Sheet 3) Pad Detail (Adult).
- (Sheet 4) Cutting Pattern and General Arrangement (Child).
- (Sheet 5) Pad Detail (Child).

(c) *Copies on file.* Copies of the specifications and plans referred to in this section shall be kept on file by the manufacturer, together with the certificate of approval. They shall be kept for a period consisting of the duration of approval and 6 months after termination of approval. The Coast Guard plans may be obtained upon request from the Commandant, U.S. Coast Guard. The Federal specifications and standards may be purchased from the Business Service Center, General Services Administration, Washington, DC 20407. The Military specifications may be obtained from the Commanding Officer, Naval Supply Depot, 5801 Tabor Avenue, Philadelphia, Pa. 19120.

[CGFR 53-25, 18 FR 7862, Dec. 5, 1953, as amended by CGFR 65-16, 30 FR 10897, Aug. 21, 1965; CGD 78-012, 43 FR 27153, 27154, June 22, 1978; CGD 88-070, 53 FR 34535, Sept. 7, 1988]

§ 160.005-2 Size and model.

Each life preserver specified in this subpart is a:

- (a) Model 52, adult, 46 ounces fibrous glass; or
- (b) Model 56, child, 30 ounces fibrous glass.

[CGD 72-163R, 38 FR 8118, Mar. 28, 1973]

§ 160.005-3 Materials.

All components used in the construction of a life preserver must meet the applicable requirements of subpart 164.019 of this chapter and the following requirements apply to individual components:

- (a) *Fibrous glass.* The fibrous glass shall be all new material complying with the requirements of Specification MIL-B-2766.
- (b) *Envelope.* The life preserver envelope, or cover, shall be made of cotton drill. The color shall be Indian Orange, Cable No. 70072, Standard Color Card of America, issued by the Textile Color Association of the United States, Inc., 200 Madison Avenue, New York, N.Y., or Scarlet Munsell 7.5 Red 6/10. The drill shall be evenly dyed, and the fastness of the color to laundering, water,