



Designation: F696 – 06 (Reapproved 2011)

# Standard Specification for Leather Protectors for Rubber Insulating Gloves and Mittens<sup>1</sup>

This standard is issued under the fixed designation F696; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the U.S. Department of Defense.*

## 1. Scope

1.1 This specification covers leather protector gloves and leather protector mittens to be worn over electrical workers' rubber insulating gloves and rubber insulating mittens.

1.2 It is intended that the gloves specified herein shall fit snugly and without undue wrinkles over rubber insulating gloves and rubber insulating mittens specified in Specification [D120](#).

## 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

[D120 Specification for Rubber Insulating Gloves](#)

[D6193 Practice for Stitches and Seams](#)

[F496 Specification for In-Service Care of Insulating Gloves and Sleeves](#)

2.2 *Federal Specifications:*<sup>3</sup>

[KK-L-170C Leather, Kidskin or Goatskin, Chrome Tanned](#)

[DLA MIL-DTL-32092 Leather, Cattlehide, Deerskin and Horsehide, Chrome Tanned](#)

## 3. Significance and Use

3.1 The purpose of the leather protectors is to provide mechanical protection only for the rubber insulating gloves and rubber insulating mittens. The leather protectors shall not be used for electrical protection.

3.2 It is common practice and the responsibility of the user of this type of protective equipment to prepare complete instructions and regulations to govern the correct and safe use of such equipment.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee [F18](#) on Electrical Protective Equipment for Workers and is the direct responsibility of Subcommittee [F18.15](#) on Worker Personal Equipment.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, Attn: NPODS.

NOTE 1—Specification [F496](#) provides significant guidelines on this subject.

## 4. Materials

4.1 The leather for the body of the glove shall be grain cowhide, buffed grain cowhide, grain deerskin, grain pigskin, grain horsehide, or grain goatskin. Leather shall be free of cuts, open grub holes, or brand marks although well-healed grub scars are permitted. For protectors for Class 0 and Class 00 gloves, grain sheepskin or capeskin are also acceptable.

4.1.1 The thickness of the leather in the hand portion shall not be less than 1.00 mm (0.039 in.) nor greater than 1.60 mm (0.063 in.). For protectors for Class 0 gloves, the leather must be provided in a minimum thickness of 0.58 mm (0.023 in.), with the maximum thickness being 1.2 mm (0.04 in.). For protectors for Class 00 gloves, the leather must be provided in a minimum thickness of 0.40 mm (0.016 in.) with a maximum thickness being 1.20 mm (0.047 in.).

4.2 The cuff shall be made of either leather or polymeric material or combination of both.

4.2.1 When leather is used for the cuff, it shall be of sufficient stiffness to be self-supporting with a minimum thickness of 1.2 mm (0.047 in.) and a maximum thickness of 1.78 mm (0.070 in.).

4.2.2 When polymeric material is used for cuffs, it shall have 0.51 mm (0.020 in.) minimum thickness and 1.78 mm (0.070 in.) maximum thickness, and shall be supported with fabric or equivalent to provide sufficient stiffness to be self-supporting and to prevent excessive elasticity. Cuffs may be made of one or two layers of cuff material.

4.2.3 Cuffs may also be molded in one piece of elastomeric compounds, and shall be of sufficient thickness to be self-supporting.

4.3 An adjustable drawstrap shall be made of either grain or split leather, webbing, or "shirred elastic." It shall be a minimum of 13 mm (0.50 in.), maximum 19 mm (0.75 in.) wide. Adjustability of drawstrap shall be obtained through the use of metal or synthetic buckles, nylon rings, or Velcro fasteners, except for shirred elastic, which provides its own adjustability.