

## FORMAT FOR SYNOPSIS OF INDIAN STANDARDS

**Number and Title of the Indian Standard:** TEXTILES — PROTECTION GLOVES FOR FIREFIGHTERS — SPECIFICATION [Doc TX 32 (11421)]

### **Scope:**

This Indian Standard specifies test methods and minimum requirements for protective gloves to be worn during fire fighting and associated activities where there is a risk of heat and/or flame.

This standard includes the general glove design, thermal, mechanical, barrier, ergonomic and optional visibility requirements for protective gloves designed to protect against injury in fire fighting operations.

This standard does not cover protection for the head, torso, arms, legs and feet or protection of the hands against other hazards, e.g. chemical, biological, radiation and electrical hazards, except for limited, accidental exposure to fire ground chemicals and contaminated blood or body fluids. These aspects may be dealt with in other standards.

- a) Salient features of content:** The important quality requirements specified in the standard is as follows:
- i) Design requirements of gloves like component, assembly, glove body length, wristlet or cuff, glove sizing, pH value, Chromium VI content for leather gloves etc.
  - ii) Sampling and pre-treatment
  - iii) Flame resistance
  - iv) Heat transfer (Flame exposure)
  - v) Heat transfer (Radiant exposure)
  - vi) Heat resistance
  - vii) Abrasion resistance
  - viii) Cut resistance
  - ix) Tear resistance
  - x) Puncture resistance
  - xi) Seam breaking strength
  - xii) Label legibility
  - xiii) Water penetration resistance
  - xiv) Liquid penetration resistance
  - xv) Dexterity
  - xvi) Grip
  - xvii) Donning
  - xviii) Visibility
  - xix) Marking and information

**b) Types/Grades/Classes, if any covered in the standard:** Nil