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Second edition
2016-12-15

Clothing and equipment for protection against heat — Test method for convective heat resistance using a hot air circulating oven

Vêtements et équipement de protection contre la chaleur — Méthode d'essai de la résistance à la chaleur de convection au moyen d'un four à circulation d'air chaud



Reference number
ISO 17493:2016(E)

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Foreword

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The committee responsible for this document is ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*.

This second edition cancels and replaces the first edition (ISO 17493:2000), which has been technically revised with the following changes:

- the specifications for the apparatus have been improved and completed ([5.1](#), [5.2](#), [5.4](#), new [5.5](#), [5.6](#), [5.7](#));
- procedures for the calibration of the test oven have been added (new [Clause 7](#));
- a list of ASTM standards related to ISO 17493 is given in the Bibliography.

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Introduction

This test method allows for the evaluation of the heat resistance of materials, protective clothing and equipment when suspended in a hot air circulating oven at a specified temperature of typically 180 °C or 260 °C for typically 5 min. Visible observations of charring, deformation, delamination, hole formation, ignition, melting of the specimen are recorded. The exposure in the hot air circulating oven may be used either for a visual evaluation only or as a pre-treatment for a material property measurement such as shrinkage or other property measurement which is not specified in this document.