ISO 9151:2016-11 (E)

Protective clothing against heat and flame - Determination of heat transmission on exposure to flame

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2

5 Apparatus 2
5.1 General 2
5.2 Gas burner 2
5.3 Copper disc calorimeter and mounting block 2
5.4 Specimen support frame 5
5.5 Calorimeter location plate 6
5.6 Support stand 6
5.7 Recorder 8
5.8 Flat rigid template 8

6 Precautions 9

7 Sampling 9
7.1 Specimen dimensions 9
7.2 Number of specimens 9

8 Conditioning and testing atmospheres 9
8.1 Conditioning atmosphere 9
8.2 Testing atmosphere 9

9 Test procedure 9
9.1 Preparation and calibration 9
9.1.1 Preliminary procedures 9
9.1.2 Regulation of the incident heat flux 10
9.2 Test specimen mounting 11
9.3 Test specimen exposure 11

10 Test report (see Annex C) 12

Annex A (informative) Significance of the heat transfer test 13

Annex B (informative) Availability of materials 15

Annex C (informative) Example test report form 17