

ISO 11999-9:2025-04 (E)

PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 9: Fire hoods

Contents

Page

Foreword..... iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 General design requirements 2

 4.1 General 2

 4.2 Innocuousness 3

 4.3 Flexibility 3

 4.4 Facial opening 3

 4.5 Yoke interface area 3

 4.6 Sizing 3

 4.7 Labels 3

 4.8 Seam construction 3

 4.9 Particulate protection 3

5 Sampling and pre-treatment 4

6 Performance requirements 5

 6.1 General 5

 6.2 Limited flame spread 5

 6.2.1 General 5

 6.2.2 Flame resistance (surface ignition) 5

 6.2.3 Flame resistance (bottom edge) 6

 6.3 Heat resistance 7

 6.4 Heat transfer (flame exposure) 7

 6.5 Heat transfer (radiant exposure) 7

 6.6 Heat transfer (combined flame and radiant exposure) 7

 6.7 Residual strength of material following radiant heat exposure 8

 6.8 Seam bursting strength 8

 6.9 Dimensional change 8

 6.10 Thread heat resistance 8

 6.11 Particulate protection 8

 6.12 Water vapour resistance 8

7 Complete fire hood test - opening size retention test 9

8 Report 9

9 Compatibility 9

10 Marking 9

11 Information supplied by manufacturer 9

Annex A (normative) Donning, doffing and shape retention test 10

Annex B (normative) Particulate test 11

Annex C (normative) Determination of property values 12

Annex D (normative) Uncertainty of measurement 13

Bibliography 15