ISO 23537-1:2016-10 (E)

Requirements for sleeping bags - Part 1: Thermal and dimensional requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 2

4 Requirements and test methods 3
4.1 Water vapour permeability index 3
4.2 Inside dimensions 3
4.2.1 Inside length 3
4.2.2 Maximum inside width 3
4.2.3 Inside foot width 3
4.3 Total mass 3
4.4 Thermal properties 3
4.4.1 Principle 3
4.4.2 Thermal manikin 4
4.4.3 Climatic room 4
4.4.4 Thermal resistance 4
4.4.5 Artificial ground 5
4.4.6 Test samples and pre-treatment 5
4.4.7 Test procedure 5
4.4.8 Calculation of temperatures of the range of utility 5
4.4.9 Calibration of thermal manikin 7

5 Test report 7

6 Labelling 8
6.1 Graph for the range of utility 8
6.2 Marking 8
6.3 Information supplied to the consumer 9

Annex A (normative) Reference values of thermal resistance for calibration 11

Annex B (informative) Precision of test results 13

Annex C (normative) Physiological model for calculation of range of utility 14

Annex D (informative) Warning of misuse of temperature rating 19

Annex E (informative) Rationale 20