

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	Terms and definitions	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