

DIN EN ISO 23537-1:2018-05 (E)

Requirements for sleeping bags - Part 1: Thermal and dimensional requirements (ISO 23537-1:2016 + Amd 1:2018) (includes Amendment A1:2018)

Contents	Page
European foreword to EN ISO 23537-1:2016.....	3
[A1] European foreword to Amendment 1 [A1]	4
Foreword	5
[A1] Foreword to Amendment 1 [A1]	6
Introduction	7
1 Scope.....	8
2 Normative references.....	8
3 Terms and definitions	9
4 Requirements and test methods.....	10
4.1 Water vapour permeability index.....	10
4.2 Inside dimensions.....	10
4.2.1 Inside length	10
4.2.2 Maximum inside width.....	10
4.2.3 Inside foot width.....	10
4.3 Total mass.....	10
4.4 Thermal properties	10
4.4.1 Principle	10
4.4.2 Thermal manikin.....	11
4.4.3 Climatic room	11
4.4.4 Thermal resistance.....	11
4.4.5 Artificial ground	12
4.4.6 Test samples and pre-treatment	12
4.4.7 Test procedure.....	12
4.4.8 Calculation of temperatures of the range of utility.....	12
4.4.9 Calibration of thermal manikin	14
5 Test report.....	14
6 Labelling.....	15
6.1 Graph for the range of utility	15
6.2 Marking.....	15
6.3 Information supplied to the consumer	16
Annex A (normative) Reference values of thermal resistance for calibration	18
Annex B (informative) Precision of test results	20
Annex C (normative) Physiological model for calculation of range of utility	21
Annex D (informative) Warning of misuse of temperature rating.....	26
Annex E (informative) Rationale	27