

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