

DIN EN ISO 11092:2014-12 (E)

Textiles - Physiological effects - Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (ISO 11092:2014)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Terms and definitions	5
3	Symbols and units	6
4	Principle	7
5	Apparatus	7
6	Test specimens	10
6.1	Materials 5 mm thick	10
6.2	Materials > 5 mm thick	10
7	Test procedure	11
7.1	Determination of apparatus constants	11
7.2	Assembly of test specimens on the measuring unit	13
7.3	Measurement of thermal resistance R_{ct}	13
7.4	Measurement of water-vapour resistance R_{et}	14
8	Precision of results	14
8.1	Repeatability	14
8.2	Reproducibility	14
9	Test report	14
Annex A (normative)	Mounting procedure for specimens containing loose filling materials or having uneven thickness	16
Annex B (normative)	Determination of correction terms for heating power	17
Annex C (informative)	Guidance on test specimen assembly for materials prone to swelling	18