

ISO 20852:2020-01 (E)

Textiles - Determination of the total heat transfer through textiles in simulated environments

Contents		Page
Foreword	iv
Introduction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and units	2
5	Principle	3
6	Apparatus	3
7	Materials	3
	7.1 Water	3
	7.2 Liquid barrier	3
8	Test specimens	3
9	Test procedure	3
	9.1 Test conditions	3
	9.2 Procedure	4
	9.2.1 Determination of R_{ct0}	4
	9.2.2 Measurement of total thermal resistance R_{ct} for a test specimen	4
	9.2.3 Measurement of intrinsic thermal resistance of the test specimen, R_{cf}	4
	9.2.4 Measurement of the evaporative resistance including the air layer on the surface of the liquid barrier without a test specimen, R_{et0}^A	4
	9.2.5 Measurement of the apparent total evaporative resistance R_{et}^A	5
	9.2.6 Measurement the intrinsic evaporative resistance provided by the test specimen alone R_{ef}^A	5
	9.2.7 Determination of the total heat transfer Q_t	6
10	Test report	6