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**