ISO 2965:2009-05 (E)

Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discret e or oriented permeable zone and materials with bands of differing permeability - Determination of air permeability

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2

5 Apparatus 4

6 Sampling 5

7 Procedure 5
7.1 General 5
7.2 Leak check of the test piece holder 5
7.3 Preparation of test pieces 5
7.4 Calibration 5
7.5 Insertion of a test piece 6
7.6 Measurement 7

8 Expression of results 8

9 Precision 9
9.1 Repeatability 9
9.2 Reproducibility 9
9.3 Results of an international collaborative study (Study 1) 9
9.4 Statistical discussion of r and R results for Study 1 10
9.5 Results of an international collaborative study (Study 2) 11
9.6 Statistical discussion of r and R results for Study 2 12

10 Test report 12

Annex A (normative) Leak testing of test piece holder 14

Annex B (normative) Calibration of air permeability standards and air permeability measuring instruments 16

Annex C (informative) Determination of relevant surface leakage of test piece in the test piece holder 20

Annex D (informative) Flow of air through porous materials 22

Annex E (informative) Compensation of calibration standards 24

Bibliography 27