

ISO 2965:2019-08 (E)

Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discrete 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	6
7.5	Insertion of a test piece	6
7.5.1	General	6
7.5.2	Materials with uniformly distributed permeability	6
7.5.3	Materials with a narrow and oriented permeable zone	6
7.5.4	Materials with an extended and oriented permeable zone	6
7.5.5	Materials with discrete permeable zones	6
7.5.6	Materials with bands of different air permeability	6
7.6	Measurement	7
7.6.1	General	7
7.6.2	Measurement of strips	8
7.6.3	Measurement of spills (papers recovered from manufactured products)	8
8	Expression of results	8
9	Precision	9
9.1	Repeatability	9
9.2	Reproducibility	9
9.3	Results of an interlaboratory study (Study 1)	9
9.4	Statistical discussion of r and R results for Study 1	11
9.5	Results of an interlaboratory study (Study 2)	11
9.6	Statistical discussion of r and R results for Study 2	12
10	Test report	13
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