

DIN ISO 2965:2012-07 (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 (ISO 2965:2009)

| Contents | Page |
|--|-------------|
| Introduction | 5 |
| 1 Scope | 6 |
| 2 Normative references | 6 |
| 3 Terms and definitions | 6 |
| 4 Principle | 7 |
| 5 Apparatus | 10 |
| 6 Sampling | 10 |
| 7 Procedure | 10 |
| 7.1 General | 10 |
| 7.2 Leak check of the test piece holder | 10 |
| 7.3 Preparation of test pieces | 10 |
| 7.4 Calibration | 10 |
| 7.5 Insertion of a test piece | 11 |
| 7.6 Measurement | 12 |
| 8 Expression of results | 13 |
| 9 Precision | 14 |
| 9.1 Repeatability | 14 |
| 9.2 Reproducibility | 14 |
| 9.3 Results of an international collaborative study (Study 1) | 14 |
| 9.4 Statistical discussion of r and R results for Study 1 | 15 |
| 9.5 Results of an international collaborative study (Study 2) | 16 |
| 9.6 Statistical discussion of r and R results for Study 2 | 17 |
| 10 Test report | 17 |
| Annex A (normative) Leak testing of test piece holder | 21 |
| Annex B (normative) Calibration of air permeability standards and air permeability measuring instruments | 21 |
| Annex C (informative) Determination of relevant surface leakage of test piece in the test piece holder | 25 |
| Annex D (informative) Flow of air through porous materials | 27 |
| Annex E (informative) Compensation of calibration standards | 29 |
| Bibliography | 32 |
| National foreword | 3 |
| National Annex NA (informative) Bibliography | 4 |