

ISO 23742:2024-06 (E)

Test method for the evaluation of permeability and filtration efficiency distribution of bag filter medium

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Determination of sampling	2
4.1	General	2
4.2	Collection position, size and shape of representative sample sheets	2
4.3	Number of representative sample sheets	2
5	Preparation of specimen strips	3
5.1	General	3
5.2	Standard atmosphere for conditioning and testing	3
5.3	Conditioning of specimen strips	3
5.4	Size of specimen strips	3
6	Measurement method - Thickness	4
6.1	General	4
6.2	Apparatus	4
6.2.1	Thickness tester	4
6.2.2	Thickness gauge	4
6.3	Procedure	4
7	Measurement method - Area mass	4
7.1	General	4
7.2	Apparatus	4
7.2.1	Precision balance	4
7.2.2	Calibrated rule	5
7.3	Procedure	5
8	Measurement method - Gas permeability	5
8.1	General	5
8.2	Apparatus	5
8.2.1	Circular specimen holder	5
8.2.2	Clamping device	5
8.2.3	Guard ring device	5
8.2.4	Pressure gauge or manometer	5
8.2.5	Blower, fan or pump	5
8.2.6	Flowmeter, volumetric counter or measuring aperture	5
8.3	Procedure	5
9	Measurement method - Filtration efficiency (option)	6
10	Order of measurement sequence	6
11	Expression of distribution of each measurement item	6

12	Test report	7
	Annex A (normative) Sampling survey theory based on normal distribution	8
	Annex B (informative) Analysis example of measurement results	9
	Annex C (informative) Example of relationship between exerting pressure and thickness distribution	13
	Annex D (informative) Example of a test report	14
	Annex E (informative) Example of a test report with measurement results	16
	Bibliography	18