# ISO 25081:2026-05 (E)

## Nonwovens - Test methods for filtration of particulate matter

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definitions ..... 1

4 Principle ..... 2

5 Apparatus ..... 3
5.1 Filter tester ..... 3
5.1.1 General ..... 3
5.1.2 Aerosol generating system ..... 3
5.1.3 Test system ..... 3
5.2 Balance ..... 4
5.3 Timer ..... 4

6 Materials and reagents ..... 5

7 sample preparation ..... 6
7.1 General ..... 6
7.2 Temperature and humidity pretreatment ..... 6
7.3 Washing pretreatment ..... 6
7.4 Sampling requirements ..... 6
7.4.1 Sampling ..... 6
7.4.2 Number of test specimens ..... 6

8 Test conditions ..... 7

9 Test procedure ..... 7
9.1 Apparatus preparation ..... 7
9.2 Set the airflow rate ..... 7
9.3 Start the test ..... 7

10 Calculation and expression of results ..... 8
10.1 Filtration efficiency ..... 8
10.2 Initial airflow resistance ..... 8
10.3 Filter time ..... 8
10.4 Final airflow resistance ..... 8
10.5 Dust-hold capacity ..... 8

11 Test report ..... 8

Bibliography ..... 10