# ISO 18067:2015-05 (E)

## Textiles - Synthetic filament yarns - Determination of shrinkage in dry-hot air (after treatment)

## Contents

Page


Foreword ..... iv

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definition ..... 1

4 Principle ..... 1

5 Apparatus and materials ..... 1

6 Sampling and preparation of the test specimen ..... 2
6.1 Sampling ..... 2
6.2 Preconditioning and conditioning ..... 3
6.3 Preparation of the test specimen ..... 3
6.3.1 Skein method ..... 3
6.3.2 Single-end method ..... 4
6.4 Number of specimens ..... 4

7 Testing conditions ..... 4
7.1 Dry-hot air treatment conditions ..... 4
7.2 Tension for the test specimen ..... 4
7.3 Equilibrium time for test specimen after thermal treatment ..... 5

8 Testing procedure ..... 5
8.1 Skein method A (Manual measurement) ..... 5
8.1.1 Measuring the initial length of the test specimens ..... 5
8.1.2 Thermal treatment of the test specimens ..... 5
8.1.3 Equilibrium after thermal treatment ..... 5
8.1.4 Measuring the length of the test specimens after treatment ..... 6
8.2 Skein method B (Automatic measurement) ..... 6
8.2.1 Measuring the initial length of the test specimens ..... 6
8.2.2 Thermal treatment of the test specimens ..... 6
8.2.3 Equilibrium after thermal treatment ..... 6
8.2.4 Measuring the length of the test specimens after treatment ..... 6
8.3 Single-end method ..... 6
8.3.1 Measuring the initial length of the test specimens ..... 6
8.3.2 Thermal treatment of the test specimens ..... 6
8.3.3 Equilibrium after thermal treatment ..... 6
8.3.4 Measuring the length of the test specimens after treatment ..... 7

9 Calculation and expression of results ..... 7
9.1 Calculation ..... 7
9.2 Precision ..... 7

10 Test report ..... 7

Annex A (informative) Precision experiments ..... 8

Bibliography ..... 9