ISO 24180:2021-12 (E)

Textiles - Synthetic filament yarns - Electrostatic propensity evaluation by measuring electrical resistance

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Principle **1**

5 Apparatus **2**
5.1 DC high-resistance meter 2
5.2 Insulating specimen holder (see Figure 1) 2
5.3 Tensioning weight 2

6 Atmosphere for conditioning and testing **2**

7 Preparation of test specimens **3**
7.1 Preparation of specimens 3
7.2 Conditoning 3
7.2.1 Pre-conditioning 3
7.2.2 Conditioning 3

8 Test procedure **3**
8.1 Tension for the test specimen 3
8.2 Test specimen loading 3
8.3 Determination of electrical resistance 4

9 Calculation and expression of results **4**
9.1 Resistance per unit length 4
9.2 Volume resistivity 4
9.3 Expression of results 4
9.4 Precision 5

10 Test report **5**

Annex A (informative) **Average density of common synthetic fibres** **6**

Annex B (informative) **Precision experiments** **7**

Bibliography **9**