ISO 20754:2018 (E)

Textiles — Man-made fibres — Determination of shape factors in cross section

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

6 Testing conditions and specimen

- 6.1 Testing conditions
- 6.2 Sampling
- 6.3 Preparation of the test specimen
- 6.3.1 Microtome method
- 6.3.2 Plate method

7 Testing procedure

- 7.1 Calibration of indicating value
- 7.2 Image capture of fibre cross-section
- 7.3 Number of tests
- 7.4 Shape factor in radius
- 7.5 Shape factor in cross-section
- 7.6 Coefficient of perimeter
- 7.7 Degree of hollowness
- 7.8 Coefficient of perimeters of hollowness
- 7.9 Specific factors
- 7.9.1 Length of contour line
- 7.9.2 Arc radius
- 7.9.3 Angle
- 7.9.4 Distance between two lines

8 Result

9 Test report

Annex A (normative) Number of additional tests

Page count: 10