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

*Textiles — Fibres fabriquées — Détermination des facteurs de forme
dans la section*

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 20754:2018

<https://standards.iteh.ai/catalog/standards/iso/8a0f6d87-7f97-4c04-abfe-359b5cb3fd4e/iso-20754-2018>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 20754:2018

<https://standards.iteh.ai/catalog/standards/iso/8a0f6d87-7f97-4c04-abfe-359b5cb3fd4e/iso-20754-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Testing conditions and specimen	2
6.1 Testing conditions	2
6.2 Sampling	3
6.3 Preparation of the test specimen	3
6.3.1 Microtome method	3
6.3.2 Plate method	3
7 Testing procedure	3
7.1 Calibration of indicating value	3
7.2 Image capture of fibre cross-section	3
7.3 Number of tests	4
7.4 Shape factor in radius	4
7.5 Shape factor in cross-section	4
7.6 Coefficient of perimeter	5
7.7 Degree of hollowness	5
7.8 Coefficient of perimeters of hollowness	6
7.9 Specific factors	7
7.9.1 Length of contour line	7
7.9.2 Arc radius	7
7.9.3 Angle	7
7.9.4 Distance between two lines	8
8 Result	8
9 Test report	9
Annex A (normative) Number of additional tests	10