

BS 5441:1988+A1:2019



BSI Standards Publication

Methods of test for knitted fabrics

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2019

Published by BSI Standards Limited 2019

ISBN 978 0 539 04765 3

ICS 59.080.30

The following BSI references relate to the work on this document:

Committee reference TCI/24

Draft for comment 19/30395279 DC

Amendments/corrigenda issued since publication

Date	Text affected
30 September 2019	A1: see Foreword

Contents

	Page
Foreword	ii
Section 1: General	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Apparatus	1
<i>Figure 1 — Grade of barriness scale</i>	3
<i>Figure 2 — Viewing and illumination conditions</i>	3
5 Conditioning and testing atmosphere	3
6 Properties to be tested in accordance with existing British Standards	4
7 Assessment of barriness	4
<i>Figure 3 — Barriness scale and BS grey scale spacings</i>	5
<i>Figure 4 — The half-grade system</i>	5
Section 2: Weft knitted fabrics	8
8 Determination of weft knitted fabric construction	8
9 Determination of the number of visible wales and courses per centimetre	9
10 Determination of course length	9
11 Determination of stitch length	10
12 Determination of linear density of component yarns	10
Section 3: Warp knitted fabrics	11
13 Determination of warp knitted fabric construction	11
14 Determination of the number of visible wales and courses per centimetre	12
15 Estimation of run-in	12
16 Determination of linear density of component yarns	13
Annex A (normative) Precision of, and additional information concerning, the HATRA barriness scale	14
<i>Table 1 — Barriness, grey scale contrast and colour difference</i>	15
<i>Figure 5 — Rib-gaited thread path diagram system</i>	15
<i>Figure 6 — Interlock-gaited thread path diagram system</i>	16
<i>Figure 7 — "Prusa system"</i>	17
<i>Figure 8 — Square-paper system</i>	18
<i>Figure 9 — Square-paper system (II)</i>	19
<i>Figure 10 — Symbols for thread path diagrams in warp knitted fabrics</i>	20
Bibliography	21

Summary of pages

This document comprises a front cover, and inside front cover, pages i to ii, pages 1 to 21, an inside back cover and a back cover.