

BRITISH STANDARD

Specification for

Shuttleless woven cotton webbing for aerospace purposes

ICS 49.025.60



NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Publishing and copyright information

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

© BSI 2007

ISBN 978 0 580 60437 9

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

Committee reference ACE/65

Draft for comment 07/30166750 DC

Publication history

BS 3F 49 published in 1972

BS 4F 49 published in February 1984

First published as BS F 151 January 1991

Amendments issued since publication

Amd. no.	Date	Text affected
-----------------	-------------	----------------------

Contents

Foreword *ii*

1	Scope	<i>1</i>
2	Information and requirements to be agreed and documented	<i>1</i>
3	Terms and definitions	<i>1</i>
4	General requirements	<i>1</i>
5	Yarn	<i>2</i>
6	Manufacture of webbing	<i>2</i>
7	Finish	<i>4</i>
8	Construction and properties	<i>5</i>
9	Identification	<i>5</i>

Annexes

Annex A (informative) The determination of Mystox IP on fabric *6*

Annex B (informative) Obsolescent widths *8*

Bibliography *9*

List of figures

Figure 1 – Shuttleless construction with spool type interlocking *3*

Figure 2 – Shuttleless construction with the weft knitted with a locking thread *3*

Figure 3 – Shuttleless construction with the weft secured by two knitted locking threads *4*

List of tables

Table 1 – General requirements (given in BS F 100) *2*

Table 2 – Construction and properties of webbing with widths used in new designs *5*

Table B.1 – Construction and properties of obsolescent widths *8*

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 9 and a back cover.



Documents

Document Sharing Hub

© BSI 2007 • 1

Foreword

Publishing information

This British Standard was published by BSI and came into effect on 30 November 2007. It was prepared by Technical Committee ACE/39, *Textiles for aerospace purposes*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This British Standard supersedes BS F 151:1991, which is withdrawn.

Information about this document

This new edition incorporates technical changes only. It does not represent a full review or revision of the standard, which will be undertaken in due course.

Hazard warnings

WARNING. This British Standard calls for the use of substances and/or procedures that can be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

Use of this document

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This British Standard specifies the requirements for shuttleless woven cotton webbing in a range of widths for aerospace purposes.

NOTE The latest revision of an Aerospace Series standard is indicated by a prefix number.

2 Information and requirements to be agreed and documented

The following information to be supplied by the purchaser shall be fully documented. For compliance with the standard both the definitive requirements specified throughout the standard and the following documented items shall be satisfied:

- a) the number of this British Standard, i.e. BS 2F 151;
- b) the method of weaving (see Clause 6);
- c) the type of finish required (see 7.1);
- d) the colour, if required dyed (see 7.3.);
- e) the width required (see Clause 8).

3 Terms and definitions

For the purposes of this British Standard, the following terms and definitions apply.

3.1 protective treatment

product containing a 50:50 blend of ($\pm$)-1-((2-(2,4-dil)-4-propyl-1,3-dioxolan-2-yl) methyl)-1H-1,2,4-triazole and 3-iodo-2-propynyl-butyl carbamate, applied at 0.4% to 0.8% combined actives on weight of fibre

NOTE An example product is *Mystox R*^{TM.1)} For a relative test method see Annex A.

4 General requirements

In addition to the requirements specified in Clauses 5 to 9, the following sections and clauses of the latest edition of BS F 100 shall apply (see Table 1).

¹⁾ Mystox R is proprietary to Catomance Ltd. This information is given for the convenience of users of this standard and does not constitute an endorsement by BSI of the product named. Equivalent products may be used if they can be shown to lead to the same results.