
Wheelchair seating —

Part 2:

Determination of physical and mechanical characteristics of devices intended to manage tissue integrity — Seat cushions

Sièges de fauteuils roulants —

Partie 2: Détermination des caractéristiques physiques et mécaniques des dispositifs de répartition de pression — Coussins d'assise



Reference number
ISO 16840-2:2007(E)

© ISO 2007

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2007

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Symbols and abbreviated terms	2
5 Apparatus	3
6 Test environment	6
7 Preparation of test cushion	7
7.1 Choice of cushion	7
7.2 Preconditioning the cushion	7
7.3 Setup	8
8 Sequence of testing	8
9 Load-deflection and hysteresis test	8
9.1 Rationale	8
9.2 Test method	8
9.3 Method of calculation	9
9.4 Test report	10
10 Frictional properties	10
10.1 Rationale	10
10.2 Test method	10
10.3 Test report	10
11 Impact damping under normal loading conditions	10
11.1 Rationale	10
11.2 Test method	10
11.3 Method of calculation	12
12 Recovery	12
12.1 Rationale	12
12.2 Test method	12
12.3 Test report	13
13 Loaded contour depth and overload deflection	13
13.1 Rationale	13
13.2 Test method	13
13.3 Method of calculation	15
13.4 Test report	15
14 Water spillage	15
14.1 Rationale	15
14.2 Test method	15
14.3 Test report	15
15 Biocompatibility	15
15.1 Rationale	15