INTERNATIONAL STANDARD

ISO 6474-2

First edition 2012-04-15

Implants for surgery — Ceramic materials —

Part 2:

Composite materials based on a highpurity alumina matrix with zirconia reinforcement

Implants chirurgicaux — Produits céramiques —

Partie 2: Matériaux composites à matrice alumine de haute pureté renforcée par des grains de zircone



Reference number ISO 6474-2:2012(E)

ISO 6474-2:2012(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

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

ISO 6474-2:2012(E)

Contents Page Forewordiv Introductionv 1 2 3 Classification 3 3.1 3.2 Test categories 3 3.3 4 Preparation of specimens 5 5 Test methods 6 5.1 Bulk density 6 5.2 Chemical composition 7 5.3 5.4 Strength properties 8 5.5 Radioactivity 9 5.6 Fracture toughness 9 5.7 Hardness 9 5.8 Young's modulus 9 5.9 Cyclic fatigue ______10 5.10