

INTERNATIONAL  
STANDARD

ISO  
4074

First edition  
2002-02-15

Corrected version  
2002-12-01

---

---

## Natural latex rubber condoms — Requirements and test methods

*Préservatifs masculins en latex de caoutchouc naturel — Exigences et méthodes d'essai*



Reference number  
ISO 4074:2002(E)

© ISO 2002

**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.

© ISO 2002

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.ch](mailto:copyright@iso.ch)  
Web [www.iso.ch](http://www.iso.ch)

Printed in Switzerland

## Contents

	Page
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>1</b>
<b>4 Quality verification .....</b>	<b>3</b>
<b>5 Design .....</b>	<b>3</b>
<b>6 Burst volume and pressure .....</b>	<b>4</b>
<b>7 Tests for stability and shelf life .....</b>	<b>5</b>
<b>8 Freedom from holes .....</b>	<b>6</b>
<b>9 Visible defects .....</b>	<b>6</b>
<b>10 Package integrity .....</b>	<b>6</b>
<b>11 Packaging and labelling .....</b>	<b>7</b>
<b>12 Test report .....</b>	<b>9</b>

## Annexes

<b>A Sampling plans intended for assessing compliance of a continuing series of lots of sufficient number to allow the switching rules to be applied .....</b>	<b>10</b>
<b>B Sampling plans intended for assessing compliance of isolated lots .....</b>	<b>11</b>
<b>C Determination of total lubricant for condoms in individual containers .....</b>	<b>12</b>
<b>D Determination of length.....</b>	<b>14</b>
<b>E Determination of width .....</b>	<b>16</b>
<b>F Determination of thickness .....</b>	<b>17</b>
<b>G Determination of bursting volume and pressure .....</b>	<b>19</b>
<b>H Oven treatment for condoms.....</b>	<b>22</b>
<b>I Determination of force and elongation at break of test pieces of condoms.....</b>	<b>23</b>
<b>J Determination of shelf life by real-time stability studies .....</b>	<b>25</b>
<b>K Guidance on conducting and analysing accelerated ageing studies .....</b>	<b>27</b>
<b>L Testing for holes.....</b>	<b>30</b>
<b>M Tests for package integrity .....</b>	<b>35</b>
<b>N Test report.....</b>	<b>37</b>
<b>O Calibration of air inflation equipment for determination of burst volume and pressure .....</b>	<b>38</b>
<b>P Rationale .....</b>	<b>41</b>
<b>Bibliography.....</b>	<b>45</b>