This is a free page sample. Access the full version online.

National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 1637:1999**

ICS 53.040.20

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
http://www.nsai.ie

**Sales**
http://www.standards.ie

# LIGHT CONVEYOR BELTS - TEST METHODS FOR THE MEASUREMENT OF THE ELECTRICAL RESISTANCES

*This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:*

*November 26, 1999*

**NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW**

© NSAI 1999

**Price Code .I**

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

This is a free page sample. Access the full version online.

# EUROPEAN STANDARD
# NORME EUROPÉENNE
# EUROPÄISCHE NORM

# EN 1637

July 1999

ICS 53.040.20

English version

## Light conveyor belts - Test methods for the measurement of the electrical resistances

Courroies transporteuses légères - Méthodes d'essai pour la mesure des résistances électriques

Leichte Fördergurte - Prüverfahren zur Messung der elektrischen Widerstände

This European Standard was approved by CEN on 8 January 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Central Secretariat: rue de Stassart, 36 B-1050 Brussels**

© 1999 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 1637:1999 E

This is a free page sample. Access the full version online.



## Contents

| | Page |
|---|---|
| **Foreword** | **3** |
| **1 Scope** | **4** |
| **2 Normative references** | **4** |
| **3 Symbols** | **5** |
| **4 Electrical surface resistances** | **6** |
| **5 Electrical surface resistivity $\rho_S$** | **12** |
| **6 Electrical volume resistances** | **15** |
| **7 Electrical volume resistivity $\rho_D$** | **25** |
| **Annex A ( informative ) Comparative values for electrical resistances** | **26** |

This is a free page sample. Access the full version online.



## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 188 "Conveyor belts", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2000, and conflicting national standards shall be withdrawn at the latest by January 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This is a free page sample. Access the full version online.



## 1 Scope

This European Standard specifies test methods for determining the electrical resistances of light conveyor belts as described in EN 873. The resistances are surface resistance, volume resistance perpendicular to the belt plane and longitudinal and transverse volume resistance parallel to the belt plane. Furthermore this standard contains two test methods for determining the surface resistivity and the volume resistivity.

## 2 Normative references

This European Standard incorporates by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

| | |
|---|---|
| ISO 471 | Rubber-Standard temperatures, humidities and times for the conditioning and testing of test pieces |
| ISO 554 | Standard atmospheres for conditioning and/or testing - Specifications |
| EN 873 | Light conveyor belts - Principal characteristics and applications |

SAI GLOBAL

This is a free preview.  Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation