

BUREAU OF INDIAN STANDARDS

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Doc: PGD 40 (26306) WC

August 2024

भारतीय मानक मसौदा

बेल्ट ड्राइव — एंटीस्टैटिक अन्तहीन तुल्यकालिक बेल्ट की

वैद्युत चालकता — विशेषताएँ और परीक्षण विधि

(IS 16378 का पहला पुनरीक्षण)

Draft Indian Standard

**Belt Drives — Electrical Conductivity of Antistatic
Endless Synchronous Belts — Characteristics and Test Method**

(*First Revision of IS 16378*)

ICS 21.220.10

Conveyor Belts Sectional Committee, PGD 40

Last Date for Comments: **04-10-2024**

NATIONAL FOREWORD

(Formal clauses will be added later on)

This Standard specifies the maximum and minimum electrical resistance of antistatic endless and open ended synchronous belts. This Standard provides guidelines to allow testing of synchronous belts to prove their static conductive (dissipative) properties as well as a corresponding production control test method.

The application of this Standard is limited to new belts intended to be used in an explosive atmosphere or in situations where there is a fire risk. The test is intended to ensure that the belt is sufficiently conductive to dissipate charges of electricity which may form on it in service.

This Indian standard was first published in 2017. This first revision has been brought out to align with the latest version of ISO 9563.

Details of BIS Certification Marking is given in National Annex A.

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current-practice is to use a point (.) as the decimal marker.

The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

International Standard

Title

ISO 23529

Rubber — General procedures for preparing and conditioning test pieces for physical test methods

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

The product may also be marked with the Standard Mark.

A-1.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations made thereunder. The details of conditions under which the license for use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the BIS Act, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.

NOTE: The technical content of draft standard is not available on website. For details, please refer to ISO 9563 : 2015 or contact:

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