



**International
Standard**

ISO 4195

**Conveyor belts with heat-resistant
rubber covers — Heat resistance
of covers — Requirements and test
methods**

*Courroies transporteuses avec revêtements caoutchouc résistant
à la chaleur — Résistance à la chaleur des revêtements —
Exigences et méthodes d'essai*

**Third edition
2026-08**

Sample Document

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*.

This third edition cancels and replaces the second edition (ISO 4195:2012), which has been technically revised.

The main changes are as follows:

- inclusion of a class 4 in [Table 1](#) and [5.2](#);
- inclusion of a test method B to all four class belts;
- replacement of atmosphere B with D in [5.3.2.1](#) and [5.3.2.2](#) to align with latest ISO 18573;
- addition of atmosphere E for tropic condition to [5.3.2.1](#) and [5.3.2.2](#);
- removal of the second paragraph of 4.3.2.2 in ISO 4195:2012;
- inclusion of 'unless otherwise specified, the standard testing method is method A' into [clause 5.3.1](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Conveyor belts with heat-resistant rubber covers — Heat resistance of covers — Requirements and test methods

1 Scope

This document specifies requirements and test methods for the relative level of heat resistance of conveyor belt covers made of rubber. It specifies the permissible variations of hardness, elongation at break and tensile strength after exposure to heat.

It is applicable only to those conveyor belts having a carrieside (top) cover thickness greater than or equal to 4 mm. It is not suitable or valid for light conveyor belts as described in ISO 21183-1.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*

ISO 188, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*

ISO 18573, *Conveyor belts — Test atmospheres and conditioning periods*

ISO 23529, *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Performance requirements

When tested in accordance with the method specified in [Clause 5](#), the permissible variations in hardness, elongation at break and tensile strength shall be in accordance with [Table 1](#).