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Conveyor belts — Test atmospheres and conditioning periods

Courroies transporteuses — Atmosphères d'essai et durées de conditionnement

ISO 18573

**Third edition
2024-09**

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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 18573:2012), of which it constitutes a minor revision. The changes are as follows:

- Clause 2 and the Bibliography have been updated.
- Clause 3 has been updated.
- Content in parentheses in [Clause 5](#) c), d) and e) has been deleted.

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The conditioning of test pieces prior to testing is commonly accepted as an essential practice in most, but not necessarily all, methods of test. Its purpose is to provide a common ground base for the commencement of the test and to remove an unnecessary variable in the search for the optimum precision for the particular test.

In order to meet these objectives, it is essential to standardize as many of the variables as possible.

Conveyor belts, other than steel cord conveyor belts, contain a textile element. This can be highly hydrophobic or somewhat more hydrophilic. Similarly, the polymer layer or cover can be thermoplastic or subject to thermal ageing. Each of these factors can have a significant effect on the property of the conveyor belt. These factors need to be taken into account when making a decision as to whether conditioning is necessary and, if so, what the most appropriate conditions would be. The provisions given in ISO139,^[1] ISO23529^[2] and ISO2231^[3] have been taken into account in the preparation of this document.