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Conveyor belts - Drum friction testing (ISO 20238:2018)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/19

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EUROPEAN STANDARD
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English Version

Conveyor belts - Drum friction testing (ISO 20238:2018)

Courroies transporteuses - Essais de frottement au tambour (ISO 20238:2018)

Fördergurte - Prüfung der Trommelreibung (ISO 20238:2018)

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European foreword

This document (EN ISO 20238:2019) has been prepared by Technical Committee ISO/TC 41 "Pulleys and belts (including veebelts)" in collaboration with Technical Committee CEN/TC 188 “Conveyor belts” the secretariat of which is held by SNV.

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of an identical text or by endorsement, at the latest by August 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.

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Endorsement notice

The text of ISO 20238:2018 has been approved by CEN as EN ISO 20238:2019 without any modification.

INTERNATIONAL STANDARD

ISO 20238

First edition
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Conveyor belts — Drum friction testing

Courroies transporteuses — Essais de frottement au tambour

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Foreword

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

Introduction

The purpose of this document is to provide a method of testing that will assist conveyor belt users in assessing the degree of risk which can be anticipated from the hazard caused when a conveyor belt stalls and the drive mechanism of the conveyor system continues to operate, causing localized heating of the conveyor belt through contact with the driving drum or other frictional heat source.

INTERNATIONAL STANDARD **ISO 20238:2018(E)**

Conveyor belts — Drum friction testing

1 Scope

This document specifies a method of testing to determine the propensity of a conveyor belt to generate heat flame or glow when held stationary, under a given tension, in surface contact around a rotating driven steel drum.

It describes means of varying the conveyor belt tension.

NOTE For conveyor belts containing steel reinforcement, it may not be possible to conduct this test in full due to the inability of the conveyor belt to comply with the requirements of 7.2. In this case, premature termination according to 7.3 can be necessary.

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 65, *Carbon steel tubes suitable for screwing in accordance with ISO 7-1*

ISO 7590, *Steel cord conveyor belts — Methods for the determination of total thickness and cover thickness*

ISO 9329-1, *Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 1: Unalloyed steels with specified room temperature properties*

ISO 9330-1, *Welded steel tubes for pressure purposes — Technical delivery conditions — Part 1: Unalloyed steel tubes with specified room temperature properties*

EN 60584-1, *Thermocouples — Part 1: EMF specifications and tolerances*

