

STN	Tuhé biopalivá. Stanovenie mechanickej odolnosti peliet a brikiet. Časť 1: Pelety (ISO 17831-1: 2015).	STN EN ISO 17831-1 65 7407
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Solid biofuels - Determination of mechanical durability of pellets and briquettes - Part 1: Pellets (ISO 17831-1:2015)

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. 06/16

Obsahuje: EN ISO 17831-1:2015, ISO 17831-1:2015

Oznámením tejto normy sa ruší
STN EN 15210-1 (65 7407) z júla 2010

123012

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

EN ISO 17831-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2015

ICS 75.160.10; 27.190

Supersedes EN 15210-1:2009

English Version

Solid biofuels - Determination of mechanical durability of pellets and briquettes - Part 1: Pellets (ISO 17831-1:2015)

Biocombustibles solides - Détermination de la résistance mécanique des granulés et des briquettes - Partie 1: Granulés (ISO 17831-1:2015)

Biogene Festbrennstoffe - Bestimmung der mechanischen Festigkeit von Pellets und Briketts - Teil 1: Pellets (ISO 17831-1:2015)

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European foreword

This document (EN ISO 17831-1:2015) has been prepared by Technical Committee ISO/TC 238 "Solid biofuels" in collaboration with Technical Committee CEN/TC 335 "Solid biofuels" the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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Endorsement notice

The text of ISO 17831-1:2015 has been approved by CEN as EN ISO 17831-1:2015 without any modification.

**Solid biofuels — Determination of
mechanical durability of pellets and
briquettes —**

**Part 1:
Pellets**

*Biocombustibles solides — Détermination de la résistance mécanique
des granulés et des briquettes —*

Partie 1: Granulés





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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.

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The committee responsible for this document is ISO/TC 238, *Solid biofuels*.

ISO 17831 consists of the following parts under the general title *Solid Biofuels — Determination of mechanical durability of pellets and briquettes*:

- *Part 1: Pellets*
- *Part 2: Briquettes*

Introduction

Compressed solid biomass fuel is usually classified either as pellets or briquettes, of which pellets usually have a diameter below 25 mm while for briquettes the diameter is higher (see ISO 17225-1). To account for the different particle dimensions, it was necessary to define different test apparatuses for determination of durability for pellets and briquettes.

Solid biofuels — Determination of mechanical durability of pellets and briquettes —

Part 1: Pellets

1 Scope

This part of ISO 17831 defines a determination method for testing the mechanical durability of pellets. The mechanical durability is a measure of the resistance of compressed fuels towards shocks and/or abrasion as a consequence of handling and transportation.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 14780, *Solid biofuels — Sample preparation*¹⁾

ISO 16559, *Solid biofuels — Terminology, definitions and descriptions*

ISO 18134-1, *Solid biofuels — Determination of moisture content — Oven dry method — Part 1: Total moisture — Reference method*

ISO 18134-2, *Solid biofuels — Determination of moisture content — Oven dry method — Part 2: Total moisture — Simplified method*

ISO 18135, *Solid Biofuels — Sampling*¹⁾

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

1) In preparation.