

ICS 75.160.10

English Version

**Solid recovered fuels - Methods for the determination of
mechanical durability of pellets**

Combustibles solides de récupération - Méthodes pour la
détermination de la résistance des granulés

Feste Sekundärbrennstoffe - Verfahren zur Bestimmung
der mechanischen Festigkeit von Pellets

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Foreword

This document (CEN/TS 15639:2007) has been prepared by Technical Committee CEN/TC 343 "Solid recovered fuels", the secretariat of which is held by SFS.

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1 Scope

This document specifies a test method for the determination of the mechanical durability of pellets. It is intended to be applied by persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to such pellets, and that are involved in producing, purchasing, selling and utilising pellets.

The method is not applicable to soft pellets.

2 Normative references

The following referenced documents are indispensable for the application 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.

CEN/TS 15357:2006, *Solid recovered fuels — Terminology, definitions and descriptions*

CEN/TS 15359, *Solid recovered fuels — Specifications and classes*

CEN/TS 15442, *Solid recovered fuels — Methods for sampling*

CEN/TS 15443, *Solid recovered fuels — Methods for laboratory sample preparation*

CEN/TS 15414-1, *Solid recovered fuels — Determination of moisture content using the oven dry method — Part 1: Determination of total moisture by a reference method*

CEN/TS 15414-2, *Solid recovered fuels — Determination of moisture content using the oven dry method — Part 2: Determination of total moisture by a simplified method*

ISO 3310-2, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in CEN/TS 15357:2006 and the following apply.

3.1 mechanical durability

measure of resistance of densified fuels towards shocks and/or abrasion as a consequence of handling and transportation processes, characterized by pellets disintegration and fines formation

3.2 fines

particles with a diameter less than 1 mm

NOTE Fines characterize the potential of high dust emission.

3.3 soft pellet

pellet with a density less than 600 kg/m³