

STN	Materiály získané z pneumatík po skončení životnosti (ELT) Metóda odberu vzoriek granulátov a práškov uložených vo veľkých a malých vreciach	STN EN 17188 63 1025
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Materials obtained from End-of-Life Tyres (ELT) - Sampling method for granulates and powders stored in big-bags and small-bags

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. 04/25

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Oznámením tejto normy sa ruší

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NORME EUROPÉENNE
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EN 17188

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Supersedes CEN/TS 17188:2018

English Version

**Materials obtained from End-of-Life Tyres (ELT) -
Sampling method for granulates and powders stored in
big-bags and small-bags**

Matériaux obtenus à partir de pneus usagés non
réutilisables (PUNR) - Méthode d'échantillonnage de
granulats et de poudrettes stockés dans des big-bags et
des sacs

Materialien aus Altreifen (ELTs) - Probeentnahme für
in Big Bags und Small Bags gelagerte Granulate und
Mehle

This European Standard was approved by CEN on 25 November 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN 17188:2024 (E)

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European foreword

This document (EN 17188:2024) has been prepared by Technical Committee CEN/TC 366 “Materials obtained from End-of-Life Tyres (ELT)”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by June 2025 and conflicting national standards shall be withdrawn at the latest by June 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TS 17188:2018.

This document includes the following significant technical changes with respect to CEN/TS 17188:2018:

- addition of a sampling method for small-bags in the Title and Scope;
- revision of the used terminology to integrate small-bags;
- review of the general structure of the document;
- change in the status of the document from a Technical Specification to a European Standard.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 17188:2024 (E)**Introduction**

Particle size distribution and related parameters are key measurements for product characterization of size-reduced materials, such as granulates and powders derived from End-of-Life Tyres (ELTs). To obtain an accurate particle size distribution, a representative sample of the material to be tested will be taken according to the principle that every particle of the sample that represents the lot will have an equal probability of being included in the sample.

Sampling criteria to assess characteristics of granulates and powders at different stages of a production process by size reduction of end-of-life tyres are given in EN 14243-2:2019, Clause 5.

When the lot to be characterized is a big-bag or a small-bag, particular attention is given in order to obtain a representative sample(s) because of the tendency of the stored material to segregate over time with the smaller particles settling in the lower part of the bag.

1 Scope

This document specifies methods for obtaining a sample of rubber granulates or powders derived from end-of-life tyres which have been stored in big-bags and small-bags.

Sample increments at different levels within the bag are obtained, which represent the average particle size distribution within the bag. From these sample increments, a representative sample is derived.

The methods specified in this document are applicable when the samples are to be tested for e.g. bulk density, durability, particle size distribution, moisture content, ash content, ash melting behaviour, calorific value, chemical composition, impurities.

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.

EN 14243-1, *Materials obtained from end of life tyres — Part 1: General definitions related to the methods for determining their dimension(s) and impurities*

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