



BSI Standards Publication

**Materials produced from end of life tyres – Steel wire – Determination of the non-metallic content**

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## National foreword

This Published Document is the UK implementation of CEN/TS 17308:2019.

The UK participation in its preparation was entrusted to Technical Committee PRI/73, Industrial rubber products.

A list of organizations represented on this committee can be obtained on request to its secretary.

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**CEN/TS 17308**

April 2019

ICS 77.140.65; 83.160.01

English Version

**Materials produced from end of life tyres - Steel wire -  
Determination of the non-metallic content**

Pneus usagés non réutilisables (PUNR) - Fils  
métalliques - Détermination de la teneur en matériaux  
non métalliques

Aus Altreifen gewonnene Materialien - Stahldrähte -  
Bestimmung der nicht-metallischen Bestandteile

This Technical Specification (CEN/TS) was approved by CEN on 21 January 2019 for provisional application.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (CEN/TS 17308:2019) 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.

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## 1 Scope

This document provides two different methods for the quantitative estimation of non-metallic content remaining adhered to the steel wire obtained from the recovery of materials from end-of-life tyres.

The pyrolysis method is considered as the reference method while the hydrostatic method is considered as an in-situ method.

This European Standard includes sample collection and the preparation of representative samples based on a sampling plan for the purpose of their characterization.

This European Standard does not cover the operational performance or fitness for use of the materials which are deemed to be a function of agreements between the manufacturer and the customer.

This European Standard does not purport to address all the safety concerns, if any, associated with its use. This European Standard does not establish appropriate safety and health practices and does not determine the applicability of regulatory limitations prior to its use.

## 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.

CEN/TS 14243, *Materials produced from end of life tyres — Classification of categories based on their dimension(s) and impurities and methods for determining their dimension(s) and impurities*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1

#### **sample**

amount of material taken from a population and intended to provide information on the population

### 3.2

#### **increment**

portion of material extracted in a single operation of the sampling device

[SOURCE: ISO 1909-1:2016, 3.15: modified – "fuel" has been replaced with "material"]

### 3.3

#### **characteristic**

property which helps to identify or differentiate items of a given population

Note 1 to entry: The characteristic may be either quantitative (by variables) or qualitative (by attributes).

### 3.4

#### **lot**

defined quantity of material for which a characteristic is to be determined