
**Plastics — Determination of tensile
properties —**

**Part 1:
General principles**

*Plastiques — Détermination des propriétés en traction —
Partie 1: Principes généraux*



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Foreword

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical properties*.

This third edition cancels and replaces the second edition (ISO 527-1:2012), which has been technically revised.

The main changes compared to the previous edition are as follows:

- an error in [Figure 1](#) concerning ε_{tM} has been removed;
- the inconsistency concerning the accuracy of the elongation used in the calculation of the tensile modulus between [5.1.5.1](#), [Figure 1](#) and [Annex C](#) has been removed. For gauge lengths $L_0 \leq 50$ mm, the accuracy is set to ± 1 μ m;
- the normative references (see [Clause 2](#)) have been updated;
- minor editorial changes have been applied;
- language has been clarified.

A list of all parts in the ISO 527 series can be found on the ISO website.

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