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AMENDMENT 1
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Fibre-reinforced plastic composites — Determination of flexural properties

AMENDMENT 1

Composites plastiques renforcés de fibres — Détermination des propriétés de flexion

AMENDEMENT 1

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Amendment 1 to ISO 14125:1998 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

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Page 2

Replace Clause 2, "Normative references", by the following clause, in which the introductory paragraph and references have been updated:

2 Normative references

The following referenced documents are essential 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.

ISO 178, *Plastics — Determination of flexural properties*

ISO 291, *Plastics — Standard atmospheres for conditioning and testing*

ISO 293, *Plastics — Compression moulding of test specimens of thermoplastic materials*

ISO 294-1, *Plastics — Injection moulding of test specimens of thermoplastic materials — Part 1: General principles, and moulding of multipurpose and bar test specimens*

ISO 295, *Plastics — Compression moulding of test specimens of thermosetting materials*

ISO 1268 (all parts), *Fibre-reinforced plastics — Methods of producing test plates*

ISO 2602, *Statistical interpretation of test results — Estimation of the mean — Confidence interval*

ISO 2818, *Plastics — Preparation of test specimens by machining*

ISO 3167, *Plastics — Multipurpose test specimens*

ISO 5893, *Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification*

Page 4, Definition 4.9

Insert the following as a second paragraph:

With materials which have a failure strain of less than 0,002 5 (e.g. high-modulus carbon-fibre-reinforced plastics), the strain difference used to calculate the flexural modulus is reduced to 0,001 0 − 0,000 5.

Page 10, Subclause 10.1.2, and page 11, Subclause 10.2.2

Replace the first two lines in each subclause by the following:

For the measurement of the flexural modulus, calculate the deflections s' and s'' which correspond to the given values of flexural strain $\varepsilon_f' = 0{,}000\ 5$ and $\varepsilon_f'' = 0{,}002\ 5$ in the case of composites with a failure strain greater than 0,002 5 or calculate the deflections s' and s'' which correspond to the given values of flexural strain $\varepsilon_f' = 0{,}000\ 5$ and $\varepsilon_f'' = 0{,}001\ 0$ in the case of materials, such as high-modulus carbon-fibre-reinforced plastics, which have a failure strain of less than 0,002 5, using the following equation:

Page 13, Clause 12

Replace the text of item n) by the following:

the equation and the strain range (i.e. strain difference) used;

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