
**Reinforcement products — Mats and
fabrics — Determination of mass per unit
area**

*Renforts — Mats et tissus — Détermination de la masse surfacique ou
grammage*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

International Standard ISO 3374 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

This third edition cancels and replaces the second edition (ISO 3374:1990), which has been technically revised.

Annex A of this International Standard is for information only.

Reinforcement products — Mats and fabrics — Determination of mass per unit area

1 Scope

This International Standard specifies a method for determining the mass per unit area of mats (either chopped-strand mat or continuous-strand mat) or fabrics which may be manufactured with glass or carbon or aramid yarns.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 291:1997, *Plastics — Standard atmospheres for conditioning and testing*.

ISO 3344:1997, *Reinforcement products — Determination of moisture content*.

ISO 5725-1:1994, *Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions*.

ISO 5725-2:1994, *Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method*.

3 Term and definition

For the purposes of this International Standard, the following term and definition apply:

3.1

mass per unit area

the ratio of the mass of a piece of mat or fabric of specified dimensions to the area

NOTE This mass includes both the strands and any other material protecting or binding the strands or yarns.

4 Principle

The mass of a test specimen of known area is determined, and the mass per unit area calculated.