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Fibre-reinforced plastic composites — Determination of flexural properties

*Composites plastiques renforcés de fibres — Détermination des propriétés
de flexion*



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ISO 14125:1998(E)

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This is a preview of "ISO 14125:1998". [Click here to purchase the full version from the ANSI store.](#)

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.

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.

International Standard ISO 14125 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

Annexes A and B form an integral part of this International Standard.

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Introduction

This standard is based on ISO 178 but deals with fibre-reinforced plastic composites. As such it retains the test conditions relevant for glass-fibre-reinforced systems. The test conditions are extended from ISO 178 to include both three-point (Method A) and four-point (Method B) loading geometries, and to include conditions for composites based on newer fibres such as carbon and aramid fibres.

Other source documents consulted include ASTM D 790 (four-point loading), prEN 2562 (test conditions), CRAG 200 and JIS K 7074 (use of shims for four-point loading, figure 6). The overall specimen length for four-point loading is the same as for three-point loading.

The scope of ISO 178 will be revised and limited to unreinforced and filled plastics.

EN 63:1977, *Glass-reinforced plastics — Determination of flexural properties — Three-point test*, will be withdrawn.