

**Lennunduse ja kosmonautika seeria.
Tekstiilklaaskiust eelimpregneeritud materjalid.
Katsemeetod massi määramiseks pinnaüksuse
kohta**

Aerospace series - Textile glass fibre
preimpregnates - Test method for the determination
of mass per unit area

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2329:2000 sisaldab Euroopa standardi EN 2329:1993 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 11.01.2000 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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EUROPEAN STANDARD

EN 2329:1993

NORME EUROPÉENNE

EVIS

EUROPÄISCHE NORM

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Descriptors: Aircraft industry, glass-cloth, plastics, preimpregnated products, tests, determination, specific area

English version

**Aerospace series - Textile glass fibre
preimpregnates - Test method for the
determination of mass per unit area**

Série aérospatiale - Préimprégnés de fibres de
verre textile - Méthode d'essai pour la
détermination de la masse surfacique

Luft- und Raumfahrt - Glasfilament- Prepreg -
Prüfmethode zur Bestimmung der flächenbezogenen
Masse

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 1993, and conflicting national standards shall be withdrawn at the latest by September 1993.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard :

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

1.1 This standard specifies a method for determining the mass per unit area of a textile glass fibre preimpregnate, for aerospace use.

1.2 This standard does not give any directives necessary to meet the health and safety requirements. It is the responsibility of the user of this standard to adopt appropriate health and safety precautions.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 2743 Aerospace series - Reinforced plastics - Standard procedures for conditioning prior to testing¹⁾

3 Definitions

A textile glass fibre preimpregnate with a thermosetting or thermoplastic resin is a material in the form of a synthetic resin impregnated textile glass fibre unidirectional sheet, tape or woven fabric and used for the manufacture of moulded components.

4 Principle

Weighing of specimens of known area after conditioning in a specified atmosphere.

5 Apparatus

- 5.1 Balance with an accuracy of 0,1 mg
- 5.2 Template of standard specimen
- 5.3 Ancillary items such as sharp knife and tweezers

6 Atmosphere for conditioning and testing

6.1 Conditioning

6.1.1 Conditioning of material stored at ambient temperature

For material stored at ambient temperature, the amount of material required for testing shall be sampled and conditioned in the test atmosphere (see 6.2.1) for a minimum of 2 h, unless otherwise specified.

¹⁾ Published as AECMA pre-standard at the date of publication of this standard