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Aerospace series - Fibre reinforced plastics - Test method - Determination of the glass transition temperatures

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPEAN STANDARD

EN 6032

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Aerospace series - Fibre reinforced plastics - Test method - Determination of the glass transition temperatures

Série aérospatiale - Matières plastiques renforcées de
fibres - Méthode d'essai - Détermination de la
température de transition vitreuse

Luft- und Raumfahrt - Faserverstärkte Kunststoffe -
Prüfverfahren - Bestimmung der
Glasübergangstemperatur

This European Standard was approved by CEN on 10 August 2013.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 6032:2015) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, 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of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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1 Scope

This standard specifies a method to determine the apparent glass transition temperatures of non-metallic materials.

This standard is applicable to unidirectional tape and woven fabric reinforced plastic or plastic materials like adhesive or neat resin for comparison of the influence on the glass transition temperature resulting from processing-parameters of non-metallic parts, for compatibility tests for checking co-curing effects of different prepreg types or with adhesive.

This standard does not give any directions necessary to meet health and safety requirements. It is the responsibility of the user of this standard to consult and establish appropriate health and safety precautions.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies..

EN 2374, *Aerospace series — Glass fibre reinforced mouldings and sandwich composites — Production of test panels*

EN 2565, *Aerospace series — Preparation of carbon fibre reinforced resin panels for test purposes* ¹⁾

EN 2743, *Aerospace series — Fibre reinforced plastics — Standard procedures for conditioning prior to testing unaged materials*

EN 2823, *Aerospace series — Fibre reinforced plastics — Test method for the determination of the effect of exposure to humid atmosphere on physical and mechanical characteristics* ¹⁾

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1) Published as ASD-STAN Prestandard at the date of publication of this standard. <http://www.asd-stan.org/>