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| STN | Letectvo a kozmonautika Analýza nekovových materiálov (vytvrdzovaných) na stanovenie stupňa vytvrdzovania diferenčnou snímacou kalorimetriou (DSC) | STN EN 6064 31 7035 |
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Aerospace series - Analysis of non-metallic materials (cured) for the determination of the extent of cure by Differential Scanning Calorimetry (DSC)

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

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English Version

Aerospace series - Analysis of non-metallic materials (cured) for the determination of the extent of cure by Differential Scanning Calorimetry (DSC)

Série aérospatiale - Analyse Enthalpique Différentielle
(AED) des matériaux non métalliques (polymérisés)
pour la détermination du degré de polymérisation

Luft- und Raumfahrt - Analyse von nichtmetallischen
Werkstoffen (gehärtet) zur Bestimmung des
Vernetzungsgrades durch dynamische
Differenzkalorimetrie (DSC)

This European Standard was approved by CEN on 26 July 2017.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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EN 6064:2017 (E)

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European foreword

This document (EN 6064:2017) 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of an identical text or by endorsement, at the latest by June 2018 and conflicting national standards shall be withdrawn at the latest by June 2018.

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

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EN 6064:2017 (E)**1 Scope**

This test method defines the procedure for the estimation of the extent of cure of certain non-metallic materials (e.g. preimpregnated and neat resin systems, adhesives) for aerospace use. The extent of cure is estimated by Differential Scanning Calorimetry (DSC) measurements of uncured (reference) and cured materials. Additional evidence on the extent of cure may be gained by combining results from this method with those obtained by other techniques.

This standard does not give any directions 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

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 2331, *Aerospace series — Textile glass fibre preimpregnates — Test method for the determination of the resin and fibre content and mass of fibre per unit area*

EN 2559, *Aerospace series — Carbon fibre preimpregnates — Determination of the resin and fibre content and the mass of fibre per unit area*

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

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