

STN	Letectvo a kozmonautika. Plasty zosilnené uhlíkovými vláknami. Skúšobná metóda. Stanovenie energie interlaminárnej lomovej húževnatosti. Mód I. GIC.	STN EN 6033 31 7728
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Aerospace series - Carbon fibre reinforced plastics - Test method - Determination of interlaminar fracture toughness energy - Mode I - GIC

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

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EUROPEAN STANDARD

EN 6033

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English Version

Aerospace series - Carbon fibre reinforced plastics - Test method - Determination of interlaminar fracture toughness energy - Mode I - GIC

Série aérospatiale - Matières plastiques renforcées de fibres de carbone - Méthode d'essai - Détermination de l'énergie de ténacité en rupture interlaminaire - Mode I - GIC

Luft- und Raumfahrt - Kohlenstoffaserverstärkte Kunststoffe - Prüfverfahren - Bestimmung der interlaminaren Energiefreisetzungsrates - Mode I - GIC

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN 6033:2015) 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of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

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1 Scope

This standard specifies the procedure to determine the mode I interlaminar fracture toughness energy G_{IC} of carbon fibre composites manufactured from unidirectional tape or woven fabric.

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 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 6034, *Aerospace series — Carbon fibre reinforced plastics — Test method — Determination of interlaminar fracture toughness energy — Mode II — G_{IIc}* ¹⁾

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