
**Plastics — Determination of fracture
toughness (G_{IC} and K_{IC}) at moderately
high loading rates (1 m/s)**

*Plastiques — Détermination de la ténacité à la rupture (G_{IC} et K_{IC}) à
vitesses de charge modérément élevées (1 m/s)*

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Foreword

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical behaviour*.

This second edition cancels and replaces the first edition (ISO 17281:2002), which has been technically revised with the addition of [Annex C](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is based on a testing protocol developed by the European Structural Integrity Society (ESIS), Technical Committee 4, *Polymers, Polymer Composites and Adhesives*, who carried out the preliminary enabling research through a series of round-robin exercises which covered a range of material samples, specimen geometries, test instruments and operational conditions (see References [3] to [6]). This activity involved about 30 laboratories from 12 countries.

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