

Reinforced thermoplastic moulding compounds - Specification for GMT - Part 2: Methods of test and general requirements

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general requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13677-2:2003 sisaldab Euroopa standardi EN 13677-2:2003 ingliskeelset teksti. Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 13677-2:2003 consists of the English text of the European standard EN 13677-2:2003. This document is endorsed on 15.04.2003 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This Part 2 of prEN 13677 defines the general requirements applicable to the specification of all types of glass mat reinforced polypropylene composite sheet (GMT) falling within the scope of this specification as defined in Part 1 of the standard including the sampling procedures, packaging, storage and labelling requirements	Scope: This Part 2 of prEN 13677 defines the general requirements applicable to the specification of all types of glass mat reinforced polypropylene composite sheet (GMT) falling within the scope of this specification as defined in Part 1 of the standard including the sampling procedures, packaging, storage and labelling requirements
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Võtmesõnad: castings, composite materials, gmt, moulding materials, mouldings (shaped section), plastics, sampling, sampling methods, specification (approval), specifications, testing, thermoplastic polymers

ICS 83.120

English version

Reinforced thermoplastic moulding compounds - Specification for GMT - Part 2: Methods of test and general requirements

Préimprégnés renforcés thermoplastiques - Spécifications
des GMT - Partie 2: Méthodes d'essai et exigences
générales

Verstärkte Thermoplast-Formmassen - Spezifikation für
GMT - Teil 2: Prüfverfahren und allgemeine Anforderungen

This European Standard was approved by CEN on 28 November 2002.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 13677-2:2003) has been prepared by Technical Committee CEN /TC 249 "Plastics", the secretariat of which is held by IBN.

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 August 2003, and conflicting national standards shall be withdrawn at the latest by August 2003.

This standard is one part of EN 13677 which is structured as follows :

Reinforced thermoplastic moulding compounds – Specification for GMT

- *Part 1 : Designation*
- *Part 2 : Methods of test and general requirements*
- *Part 3 : Specific requirements*

Annexes A to H are normative. Annex I is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard defines the general requirements applicable to the specification of all types of glass mat reinforced polypropylene composite sheet (GMT) falling within the scope of this specification as defined in Part 1 of the standard including the sampling procedures, packaging, storage and labelling requirements.

This European Standard describes the procedures to be followed in the preparation moulded plaques from which are cut the test specimens for the determination of mechanical properties as specified in Parts 1 & 3.

This European Standard also defines the test methods to be used to determine the designated and specified properties given in Parts 1 & 3 respectively.

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 (including amendments).

EN 10204, *Metallic products – Types of inspection documents*.

EN ISO 75-2, *Plastics – Determination of temperature of deflection under load – Part 2: Plastics and ebonite (ISO 75-2:1993)*.

EN ISO 179-2, *Plastics – Determination of Charpy impact properties – Part 2: Instrumented impact test (ISO 179-2:1997)*.

EN ISO 472:2001, *Plastics – Vocabulary (ISO 472:1999)*.

EN ISO 527-2, *Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:1993 including Corr 1:1994)*.

EN ISO 527-4, *Plastics – Determination of tensile properties – Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:1997)*.

EN ISO 1172, *Textile-glass-reinforced plastics - Prepregs, moulding compounds and laminates – Determination of the textile-glass and mineral-filler content – Calcination methods (ISO 1172:1996)*.

EN ISO 3146, *Plastics – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO 3146:2000)*.

EN ISO 6603-2, *Plastics – Determination of puncture impact behaviour of rigid plastics – Part 2: Instrumented puncture test (ISO 6603-2:2000)*.

EN ISO 11403-2, *Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties (ISO 11403-2:1995)*.

ISO 1183, *Plastics – Methods for determining the density and relative density of non-cellular plastics*.

ISO 2577, *Plastics – Thermosetting moulding materials – Determination of shrinkage*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN ISO 472:2001 apply.