Draft for Public Comment

Form 36

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Responsible committee: PRI/42 Fibre reinforced thermosetting plastics and prepregs

Interested committees:

Title: Draft BS ISO 12817 Fibre-reinforced plastic composites — Determination of open-hole compression strength.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

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- All comments should be submitted online at **https://standardsdevelopment.bsigroup.com/**. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx

1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex **(e.g. 3.1)**	Paragraph/ Figure/Table/Note	**Type of comment**	**Commend (justification for change) by the MB**	**Proposed change by the MB**	**Secretariat observations on each comment submitted**
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

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DRAFT International Standard

ISO/DIS 12817

Fibre-reinforced plastic composites — Determination of open-hole compression strength

Composites plastiques renforcés de fibres — Détermination de la résistance à la compression avec trou nu

ICS: 83.120

ISO/TC **61**/SC **13**

Secretariat: **JISC**

Voting begins on:
2024-06-04

Voting terminates on:
2024-08-27

This document is circulated as received from the committee secretariat.

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Full document details: 24/30485798 DC

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **2**
4 Principle **2**
5 Apparatus **3**
6 Test specimens **9**
6.1 Shape and dimensions 9
6.2 Alternative specimen 9
6.3 Preparation of test plates and specimens 11
6.4 Inspection of test specimens 11
6.5 Number of test specimens 11
7 Conditioning **11**
8 Procedure **12**
8.1 Test atmosphere 12
8.2 Measurement of dimensions of the test specimens 12
8.3 Mounting of the test specimens 12
8.3.1 Method 1 12
8.3.2 Method 2 12
8.3.3 Method 3 12
8.4 Test speed 12
8.5 Preliminary loading 12
8.6 Loading 12
8.7 Recording 12
8.8 Failure mode 13
9 Calculation **13**
9.1 Open-hole compressive strength 13
9.2 Expression of results 14
10 Precision **14**
11 Test report **16**
Bibliography **18**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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The document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

This second edition cancels and replaces the second edition (ISO 12817:2013), which has been technically revised.

The main changes are as follows:

— the measurement of the roundness of the hole has been added;

— the dimensions of the test specimens for method 2 has been corrected;

— the preliminary loading has been modified;

— the loading procedure has been added;

— the failure mode has been refined, and the figure of typical failure modes has been changed;

— the roundness of the hole in the test reports has been added.

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.

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Introduction

In preparing this (harmonized) International Standard, reference has been made to other similar open-hole compression methods (JIS K 7093,[1] ASTM D6484/D6484M-09[2]) and related methods, i.e. open-hole tension in ASTM D5766/D5766M6[3] and pin-bearing in ISO 12815.[4]

The scope covers all current and future fibre-reinforced plastic composites meeting the requirements of this International Standard. This International Standard incorporates three methods that have different suitability and do not necessarily yield identical properties. All the methods use the maximum load to define the open-hole compressive strength.

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