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Fire hazard testing—Part 10-2: Abnormal heat—Ball pressure test

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Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 General description of the test.....	1
4 Test apparatus	1
4.1 Loading device	2
4.2 Test specimen support	2
4.3 Heating oven	3
4.4 Optical measuring instrument	3
5 Test specimens	3
6 Conditioning.....	3
7 Test procedure	3
8 Observations and measurements	5
9 Expression of test results.....	6
10 Information to be given in the relevant specification.....	6
Annex A (informative) Correlation between the ball pressure test and the Vicat test of JIS K 7206.....	7
Annex B (informative) Depth indentation method	8
Annex C (informative) Ball pressure test equipment manufactures	9
Bibliography	9

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Reliability Center for Electronic Components of Japan (RCJ)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS C 60695-10-2:2000** is replaced with this Standard.

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Fire hazard testing—Part 10-2: Abnormal heat—Ball pressure test

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **IEC 60695-10-2** published in 2003 without modifying the technical contents.

In addition, corrigendum 1 published in 2006 has been reflected in the text.

1 Scope

This Standard specifies the ball pressure test as a method for testing parts of non-metallic materials for resistance to heat.

It is applicable to electrotechnical equipment, its subassemblies and components, and to solid electrical insulating materials except ceramics.

The basic safety publications should be referred to in accordance with **IEC Guide 104** in the preparation of product safety standards.

NOTE : The International Standard corresponding to this Standard is as follows.

IEC 60695-10-2:2003 *Fire hazard testing—Part 10-2: Abnormal heat—Ball pressure test* (IDT)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. If the indication of the year is given to the referred standard, the edition of indicated year applies but the revision (including amendments) made thereafter does not apply.

IEC 60216-4-1 : 1990 *Guide for the determination of thermal endurance properties of electrical insulating materials—Part 4: Ageing ovens—Section 1: Single-chamber ovens*

IEC Guide 104 : 1997 *The preparation of safety publications and the use of basic safety publications and group safety publications*

ISO 3290 : 2001 *Rolling bearings—Balls—Dimensions and tolerances*

3 General description of the test

With the test specimen at a temperature specified in the relevant specification, a specified downward force is applied through a steel ball and dimension d of the indentation is measured as described in **7.2**.

4 Test apparatus

The test apparatus consists essentially of the elements listed below.