Doc.: PCD 27 (25101) WC

IS 13360 (Part 5/ Sec XX/ Subsec 1): XXXX

ISO 6603-1:2000

March 2024

# **BUREAU OF INDIAN STANDARDS**

## DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

# PLASTICS — METHODS OF TESTING PART 5 MECHANICAL PROPERTIES

SECTION XX DETERMINATION OF PUNCTURE IMPACT BEHAVIOUR OF RIGID PLASTICS SUBSECTION 1 NON-INSTRUMENTED IMPACT TESTING

(ICS 83.080.01)

Methods of Sampling and Test for	Last date for receipt of
Plastics Sectional Committee, PCD 27	comment is 20 May 2024

#### NATIONAL FOREWORD

(Formal clauses will be added later)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in their respective places, is listed below along with their degree of equivalence for the editions indicated:

International Standard	Corresponding Indian Standard	Degree of Equivalence
ISO 291:1997, Plastics —	IS 196 : 1966 Atmospheric	Not Equivalent
Standard atmospheres for	conditions for testing (Revised)	
conditioning and testing.		
ISO 293:1986, Plastics —	PCD/27/24270 Plastics —	Identical with ISO 293:
Compression moulding test	Methods of Testing: Part 2	2023
specimens of thermoplastic	Sampling and Preparation of Test	
materials.	Specimens Section 1 Plastics —	
	Compression moulding of test	
	specimens of thermoplastic	
	materials (revision of IS 13360	
	(Part 2/Sec 1))	

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ISO 294-3:1996, Plastics —	IS 13360 (Part 2/Sec 7): 2021/	Identical with ISO 294-3:
Injection moulding of test	ISO 294-3 : 2020 Plastics —	2020
specimens of thermoplastic	Methods of Testing: Part 2	
materials — Part 3: Small	Sampling and Preparation of Test	
plates.	Specimens, Section 7 Injection	
	moulding of test specimens of	
	thermoplastic materials — Small	
	plates (third revision)	
ISO 295:1991, Plastics —	IS 13360 (Part 2/Sec 2): 2013 /	Identical with ISO 295:
Compression moulding of	ISO 295 : 2004 Plastics —	2004
test specimens of	Methods of testing: Part 2	
thermosetting materials.	Sampling and preparation of test	
	specimens, Section 2	
	Compression Moulding of Test	
	Specimens of Thermosetting	
	Materials (first revision)	
ISO 2818:1994, Plastics —	IS 13360 (Part 2/Sec 4): 2021 /	Identical with ISO 2818:
Preparation of test	ISO 2818 : 2018 Plastics —	2018
specimens by machining.	Methods of testing: Part 2	
	Sampling and preparation of test	
	specimens, Section 4 Preparation	
	of test specimens by machining	
	(second revision)	
ISO 7765-1:1988, Plastics	IS 13360 (Part 5/Sec 6): 1999 /	Identical
film and sheeting —	ISO 7765-1 : 1988 Plastics —	
Determination of impact	Methods of testing: Part 5	
resistance by the free-falling	Mechanical properties, Section 6	
dart method — Part 1:	Determination of Impact	
Staircase methods	resistance by the free-falling dart	
	method — Staircase methods	
ISO 7765-2:1994, Plastics	IS 13360 (Part 5/Sec 24): 1999 /	Identical
film and sheeting —	ISO 7765-2 : 1994 Plastics —	
Determination of impact	Methods of testing: Part 5	
resistance by the free-falling	Mechanical properties, Section	
dart method — Part 2:	24 Determination of impact	
Instrumented puncture test.	resistance by the free - falling dart	
	method — Instrumented puncture	
	test	

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

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International Standard	Title
ISO 1268 : 1974,	Plastics — Preparation of glass fibre reinforced, resin bonded, low-pressure laminated plates or panels for test purposes.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'.

**NOTE** — The technical content of this document has not been enclosed as this is identical with the corresponding ISO Standard. For details, pleases refer to ISO 6603-1: 2000 or kindly contact:

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