

BUREAU OF INDIAN STANDARDS

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**भारतीय मानक प्रारूप
धातु पाउडर के आयताकार संघनन के अनुप्रस्थ विच्छेदन द्वारा हरित शक्ति का
निर्धारण - पद्धति
(आई एस 12571 का पहला पुनरीक्षण)**

Draft Indian Standard

**DETERMINATION OF GREEN STRENGTH BY
TRANSVERSE RUPTURE OF RECTANGULAR COMPACTS
OF METALLIC POWDER - METHODS**

(First Revision of IS 12571)

ICS No. 77.160

Powder Metallurgical Materials and
Products Sectional Committee, MTD 25

Last date of comment:
4 April 2024

NATIONAL FOREWORD

(Formal clause will be added later)

This standard was published in 1988 and the first revision of this standard has been undertaken to align with the latest version of ISO 3995 : 2023 under dual numbering system to harmonize it with the latest developments that have taken place at international level.

Former title of the Indian Standard IS 12571 : 1988 was “Determination of Green Strength by Transverse Rupture of Rectangular Compacts of Metallic Powder - Methods” which is change to “Metallic powders - Determination of green strength by transverse rupture of rectangular compacts” as per the title of ISO 3995 : 2023.

This document covers a test method that may be used to measure the transverse rupture strength of a compacted but unsintered (green) test specimen produced from lubricated or unlubricated metal powders or powder mixtures.

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

- a) Wherever the words ‘International Standard’ appear referring to this standard, it 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.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

The Scope of the standard is as follows:

SCOPE

This document specifies a method for the determination of green strength by measuring the transverse rupture strength of compacts of rectangular cross-section.

The complete document/text of ISO 3995 : 2023 'Metallic powders - Determination of green strength by transverse rupture of rectangular compacts' may be made available, on request to:

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