INTERNATIONAL STANDARD

ISO 2738

Third edition 1999-11-01

Sintered metal materials, excluding hardmetals — Permeable sintered metal materials — Determination of density, oil content and open porosity

Matériaux métalliques frittés, à l'exclusion des métaux-durs — Matériaux métalliques frittés perméables — Détermination de la masse volumique, de la teneur en huile et de la porosité ouverte



Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

was prepared by Technical Committee ISO/TC 119, Powder metallurgy, International Standard ISO 2738 Subcommittee SC 3, Sampling and testing methods for sintered metal materials (excluding hardmetals).

This third edition cancels and replaces the second edition (ISO 2738:1987) which has been technically revised.

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Sintered metal materials, excluding hardmetals — Permeable sintered metal materials — Determination of density, oil content and open porosity

1 Scope

This international Standard specifies methods of determining the density, oil content and open porosity of permeable sintered metal materials.

It applies in particular to porous metal bearings and to structural parts produced by pressing and sintering metal powders.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 758, Liquid chemical products for industrial use — Determination of density at 20 °C.

ISO 13944, Lubricated metal-powder mixes — Determination of lubricant content — Modified Soxhlet extraction method.