

**Sintered metal materials, excluding  
hardmetals - Permeable sintered metal  
materials - Determination of density, oil  
content and open porosity (ISO 2738:1999)**

Sintered metal materials, excluding hardmetals -  
Permeable sintered metal materials - Determination  
of density, oil content and open porosity (ISO  
2738:1999)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 2738:2000 sisaldab Euroopa standardi EN ISO 2738:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.06.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 2738:2000 consists of the English text of the European standard EN ISO 2738:1999.</p> <p>This document is endorsed on 16.06.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This standard specifies methods of determining the density, oil content, and open porosity of permeable sintered metal materials.</p>	<p><b>Scope:</b> This standard specifies methods of determining the density, oil content, and open porosity of permeable sintered metal materials.</p>
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ICS 77.160

Võtmesõnad:

English version

Sintered metal materials, excluding hardmetals

Permeable sintered metal materials – Determination of density,  
oil content and open porosity  
(ISO 2738 : 1999)

Matériaux métalliques frittés, à  
l'exclusion des métaux-durs – Maté-  
riaux métalliques frittés perméables –  
Détermination de la masse volumi-  
que, de la teneur en huile et de la  
porosité ouverte (ISO 2738 : 1999)

Sintermetalle, ausgenommen Hart-  
metalle – Durchlässige Sintermetalle –  
Bestimmung der Dichte, des  
Tränkstoffgehaltes und der offenen  
Porosität (ISO 2738 : 1999)

This European Standard was approved by CEN on 1999-10-08.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

## Foreword

International Standard

ISO 2738 : 1999 Sintered metal materials, excluding hardmetals – Permeable sintered metal materials – Determination of density, oil content and open porosity,

which was prepared by ISO/TC 119 'Powder metallurgy' of the International Organization for Standardization, has been adopted by CEN/CS as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2000 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 2738 : 1999 was approved by CEN as a European Standard without any modification.

## 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.*