

DIN EN ISO 2738:2026-06 (E)

Sintered metal materials, excluding hardmetals - Permeable sintered metal materials - Determination of density, oil content and open porosity (ISO 2738:2026)

Contents	Page
Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Symbols and designations.....	2
5 Test procedures.....	2
6 Equipment.....	3
7 Test piece.....	3
8 Test procedures.....	4
8.1 Determination of the initial mass of the test piece.....	4
8.2 Removal of oil from the test piece by solvent extraction.....	4
8.3 Determination of the mass of the dried test piece.....	4
8.4 Impregnation with oil and surface coating.....	4
8.4.1 Full impregnation (for determination of the open porosity).....	4
8.4.2 Partial impregnation (suitable for determination of the volume).....	5
8.4.3 Surface coating methods (suitable for determination of the volume).....	5
8.5 Determination of the mass of the fully impregnated test piece.....	5
8.6 Determination of the volume of the test piece.....	5
9 Expression of results.....	9
9.1 Density.....	9
9.2 Oil content.....	9
9.3 Open porosity.....	9
10 Precision of dry density determination.....	9
11 Test report.....	11
Bibliography.....	12