

ISO 2738:2026-01 (E)

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

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