
International Standard



4709

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Cork — Composition cork gasket material — Specifications

Liège — Aggloméré composé pour joints pour industries mécaniques — Spécifications

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Descriptors : cork, agglomerates, specifications, dimensional tolerances, designation, sampling, packing.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7386 was prepared by Technical Committee ISO/TC 87, *Cork*.

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Cork — Composition cork gasket material — Specifications

1 Scope

This International Standard specifies characteristics of composition cork material intended to be used as gaskets in mechanical industries.

2 Field of application

This International Standard applies to composition cork sheets, slabs or frames obtained by pressure with granulated cork protein or resin bonded, with or without rise of temperature.

3 References

ISO 2859, *Sampling procedures and tables for inspection by attributes*.

ISO 4708, *Cork — Composition cork gasket material — Test methods*.¹⁾

4 Thickness

The tolerances on nominal thickness of sheets, slabs or frames measured in accordance with ISO 4708 are

- $\pm 0,13$ mm on nominal thickness ≤ 1 mm;
- $\pm 0,25$ mm on nominal thickness > 1 mm and ≤ 3 mm;
- $\pm 0,30$ mm on nominal thickness > 3 mm and ≤ 6 mm;
- ± 5 % on nominal thickness > 6 mm and never more than 0,40 mm.

Tolerances may also be established by agreement between purchaser and supplier.

5 Designation

The composition cork gasket material shall be identified by

- the type of bonding, using the symbol P for the protein glue and the symbol R for the resin glue;

- the apparent density, using

the symbol 22 for $220 \text{ kg/m}^3 \leq \rho < 270 \text{ kg/m}^3$

the symbol 27 for $270 \text{ kg/m}^3 \leq \rho < 320 \text{ kg/m}^3$

the symbol 32 for $320 \text{ kg/m}^3 \leq \rho < 380 \text{ kg/m}^3$

the symbol 38 for $\rho \geq 380 \text{ kg/m}^3$

Examples :

P 32 — sheets, slabs or frames of composition cork, having as binder a protein glue and apparent density $320 \text{ kg/m}^3 \leq \rho < 380 \text{ kg/m}^3$;

R 27 — sheets, slabs or frames of composition cork, having as binder a resin glue and apparent density $270 \text{ kg/m}^3 \leq \rho < 320 \text{ kg/m}^3$.

6 Specifications

Sheets, slabs or frames for composition cork gasket material tested according to ISO 4708 shall have the specifications given in the table.

The same specifications shall apply to sheets or boards with bonded seams.

1) At present at the stage of draft.