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DIN EN 549

ICS 83.140.50

Supersedes
DIN EN 549:1995-04

Rubber materials for seals and diaphragms for gas appliances and gas equipment; English version EN 549:2019, English translation of DIN EN 549:2019-09

Elastomer-Werkstoffe für Dichtungen und Membranen in Gasgeräten und Gasanlagen;
Englische Fassung EN 549:2019,
Englische Übersetzung von DIN EN 549:2019-09

Matériaux à base de caoutchouc pour joints d'étanchéité et membranes destinés aux appareils à gaz et matériels pour le gaz;
Version anglaise EN 549:2019,
Traduction anglaise de DIN EN 549:2019-09

This standard has been included in the body of DVGW Technical Rules.

Document comprises 35 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

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A comma is used as the decimal marker.

National foreword

This standard includes safety requirements in Clauses 6 and 7 and Annex A (normative).

This document (EN 549:2019) has been prepared by Technical Committee CEN/TC 208 “Elastomeric seals for joints in pipework and pipelines” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was *DIN-Normenausschuss Gastechnik* (DIN Standards Committee Gas Technology), Working Committee NA 032-03-02 AA “Components and auxiliary supplies — Gas”.

This standard has been included in the body of technical rules and standards for gas issued by the *DVGW Deutscher Verein des Gas- und Wasserfaches e. V.* (German Technical and Scientific Association for Gas and Water).

The DIN documents corresponding to the international documents referred to in this document are as follows:

ISO 815-1:2014	DIN ISO 815-1:2016
ISO 815-2:2014	DIN ISO 815-2:2016
ISO 1431-1:2012	DIN ISO 1431-1:2017
ISO 1817:2015	DIN ISO 1817:2016

Amendments

This standard differs from DIN EN 549:1995-04 as follows:

a) Clause 8, Evaluation of life-time for material used to manufacture seals, has been added;

b) Clause 9, Infrared spectra of the material, has been added;

c) the resistance to condensate/liquid phase of combustible gases has been added;

d) low temperature classes have been added;

e) the ozone resistance for diaphragms is now mandatory;

f) the informative Annex D has been included.

Previous editions

DIN 3535-2: 1972-01, 1983-04
DIN 30692: 1980-09
DIN 30692-1: 1992-04
DIN EN 278: 1991-10
DIN EN 279: 1991-10
DIN EN 291: 1992-04
DIN EN 549: 1995-04

National Annex NA
(informative)

Bibliography

DIN ISO 815-1:2016, *Rubber, vulcanized or thermoplastic — Determination of compression set — Part 1: At ambient or elevated temperatures (ISO 815-1:2014)*

DIN ISO 815-2:2016, *Rubber, vulcanized or thermoplastic — Determination of compression set — Part 2: At low temperatures (ISO 815-2:2014)*

DIN ISO 1431-1:2017, *Rubber, vulcanized or thermoplastic — Resistance to ozone cracking — Part 1: Static and dynamic strain testing (ISO 1431-1:2012)*

DIN ISO 1817:2016, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids (ISO 1817:2015)*