DIN 28090-2:2014-11 (E)

Static gaskets for flange connections - Gaskets made from sheets - Part 2: Special test procedures for quality assurance

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Quantities, symbols and units 5

4 General 7

5 Sampling, forms and conditioning of specimens 7

6 Checking the appearance of the gasket material 7

7 Checking the dimensions and mass 7

8 Determination of density 7

9 Testing deformation behaviour 8
9.1 Apparatus 8
9.2 Test procedure (long-term) 8
9.2.1 General 8
9.2.2 Deformation behaviour at ambient temperature 9
9.2.3 Deformation behaviour at elevated temperatures 9
9.3 Test procedure (short-term) 9
9.3.1 General 9
9.3.2 Deformation behaviour at ambient temperature 10
9.3.3 Deformation behaviour at elevated temperatures 11

10 Determination of leakage behaviour 11

11 Determination of chloride content in graphite-based gasket materials 11
11.1 Principle 11
11.2 Sampling 11
11.3 Procedure 11
11.4 Evaluation 12

12 Determination of the oxidation resistance of graphite 12
12.1 Apparatus 12
12.2 Sampling 12
12.3 Conditioning 12
12.4 Procedure 12
12.5 Evaluation 12

13 Test report 13