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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 21283.2-2007

**Rotary shaft lip-type seals incorporating thermoplastic sealing
elements -- Part 2: Vocabulary**

密封件为热塑性材料的旋转轴唇形密封圈第2部分:词汇

(English Translation)

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Foreword

GB/T 21283 "sealing elements for the thermoplastic material rotary shaft lip seals" is divided into six sections.

- Part 1. Basic dimensions and tolerances;
- Part 2. Vocabulary;
- Part 3. Storage, handling and installation;
- Part 4. Performance test procedures;
- Part 5. Identification of visual defects;
- Part 6. thermoplastic and elastomeric properties of the coating material requirements.

This is Part 2 GB/T 21283 of.

This part identical with ISO 16589-2:2001 "sealing elements for the thermoplastic material rotary shaft lip seals Part 2. Words Sink "(in English). This part of ISO 16589-2:2001 Edit the main modifications are as follows.

- Increasing the foreword;
- Reference standards into Chinese national standards;
- The application of international standards applicable to China to express national standard formulation;

"Outer surface of the sealing lip closure sealing lip at the" definition "rear lip surface" --- 3.2.10 from the original literal translation of the words "secret Curved outer surface of the sealing element. " this part is proposed by the China Petroleum and Chemical Industry Association.

This part of the National Rubber and rubber products sealing products Standardization

Technical Committee Technical Committee (SAC/TC35/SC3) Centralized.

This section drafted by. Euphorion seal Ltd. Zhejiang, Jiangsu Zhenhua Seal Industry Co., Ltd., Changzhou rambo auto parts have Limited, Northwest Rubber Plastic Research and Design Institute, no Xi Enfu Seal Co., Ltd. Qingdao Beihai seal.

Introduction

Rotary shaft lip seals are used to seal liquid on the relatively low pressure device. The most typical is the axis of rotation of the stationary chamber, However, in some cases, the shaft is stationary and rotating cavity.

Typically, there is a dynamic seal designed interference fit between the shaft and the flexible seal member.

Similarly, between the outer and inner hole seal cavity interference fit can seal liquid and prevents static leakage.

To avoid damage, before installation and during installation, it is necessary to be careful of all seal storage, handling and safety Equipment, improper storage, handling and installation can affect the seal life.

GB/T 21283.2-2007/ISO 16589-2:2001 the sealing member is the rotary shaft of thermoplastic material Lip seals Part 2. Vocabulary

1 Scope

This section GB/T 21283 sealing elements described thermoplastic material rotary shaft lip seal, the sealing element is a thermoplastic Materials such as polytetrafluoroethylene (PTFE) as the base, with a suitably formed.

This part of the establishment of a thermoplastic material for the sealing member rotary shaft lip seal vocabulary, some terms and definitions See GB/T 17446-1998.

Note: GB/T 21283 and GB/T 13871 complementary, GB/T 13871 stipulated elastomer seal.

2 Normative references

The following documents contain provisions which, through reference GB/T 21283 in this section constitute provisions of this section. For dated references, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encourage the agreement on this section Whether the parties can study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 3505-2000 Geometrical product specification the term structure of the surface contours of the surface structure of the law, definitions and parameters (Eqv ISO

4287:1997) GB/T 10610-1998 Geometrical Product Specifications Surface texture Profile method - Rules and procedures for evaluation of the surface structure (Eqv ISO 4288:1996)
GB/T 17446-1998 fluid power systems and components term (idt ISO 5598. 1985)

3.1 Type seal (see Figure 1)

3.1.1

Having a deformable cross-section, usually with metal frame support, the radial force exerted by the sealing lip to prevent liquid leaking seals.

3.1.2

A rotary shaft lip seal hydrodynamic auxiliary structure.

3.1.3

Mechanically sealing element sandwiched between the inner ring of the metal shell. [See Figure 1a)] 3.1.4 Deputy lip made of thermoplastic material, and mechanically holding the sub-lip seal between the inner and outer metal shell. [See Figure 1b)] 3.1.5 the outer edge of the metal skeleton coated portion of the metal skeleton of the rubber ring (3.1.3). [See Fig. 1c)] 3.1.6 Rubber cladding layer extended to the sub-lip half rubber sheathed sealing ring (3.1.5). [Figure 1d)] GB/T 21283.2-2007/ISO 16589-2:2001